

**Data Package for Socioeconomic Analysis  
Yucca Mountain Repository**

**Methodology, Assumptions, and Baseline Data for the Repository Design and  
Operation, Rail Corridors, and Heavy Haul Truck Routes**

**Clark County, Nevada  
Lincoln County, Nevada  
Nye County, Nevada  
“Rest of Nevada”  
State of Nevada**

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## APPROVAL PAGE

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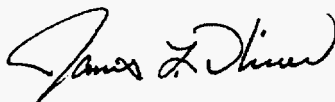


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## **I. Purpose**

This document was prepared in support of the *Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain; Nye County, Nevada*. Specifically, the document evaluates potential socioeconomic impacts resulting from the various rail corridor and heavy haul truck route implementing alternatives, one of which would be selected to transport the nation's commercial and defense spent nuclear fuel and high-level radioactive waste to the proposed repository.

## **II. Selection of Criteria in Model**

To provide a meaningful analysis, an investigation of 5 criteria was conducted. In this analysis, TtNUS considered changes in the following socioeconomic parameters:

- ✓ Employment
- ✓ Population
- ✓ Spending by the State and local governments
- ✓ Real Disposable Income
- ✓ Gross Regional Product

These criteria were used to help define and present a profile of the region's socioeconomic status. The criteria were chosen because they characterize the community environment and fundamental regional economic and demographic trends.

## **III. Methodology**

The Regional Economic Models, Inc. (REMI)-53 sector computer model was used to forecast estimated changes in each of the five parameters (employment, population, spending by State and local governments, Gross Regional Product, and real disposable income). REMI processes input data using mathematical and statistical calculations to produce outputs (projections) that may be used to estimate impacts caused by the proposed rail corridors and heavy haul truck routes. Results were obtained for Clark, Nye, and Lincoln counties, in aggregate for the rest of Nevada (the remaining fourteen counties in the State of Nevada), and for the State of Nevada.

REMI-generated outputs in 2000 dollars were adjusted, using REMI-generated inflators, by county, to 2001 dollars. Both the 2000 dollars and 2001 dollars REMI outputs have been included in the corridor- and route-specific appendices to this data package.

TtNUS established a set of assumptions to guide the development of this forecast. The assumptions and methodology used to draft this forecast are included in Appendix A.

## **IV. Inputs**

Inputs for the computer model included baseline data for the years 2000 through 2035 for a variety of socioeconomic parameters and employment sectors. Data for the baseline was acquired from the State of Nevada Demographer's and local government agencies. This baseline data is included in Appendix B and C of this data package.

DOE prepared an estimation of changes to each of five socioeconomic parameters that would result from the construction and operation of each of the branch rail lines, an intermodal transfer station, and upgrades to highways required for each of the heavy haul truck routes. This information was also provided as input into the computer model runs. Corridor- and route-specific employment requirements were obtained from *Human Health and Safety Calculation/Analysis Documentation in Support of the Final EIS for the Yucca Mountain Repository* (JOrder #3133-Jason 2001) and provided as input. Corridor- and route-specific input data are included in the appropriate appendices to this data package.

## V. Outputs

Baseline data outputs are included in Appendices B and C of this data package.

Corridor- and route-specific outputs have been compiled in the following documents:

1. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Caliente Rail Corridor: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/001. Aiken, South Carolina. September.
2. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Caliente-Chalk Mountain Rail Corridor: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/002. Aiken, South Carolina. September.
3. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Carlin Rail Corridor: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/003. Aiken, South Carolina. September.
4. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Jean Rail Corridor: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/004. Aiken, South Carolina. September.
5. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Valley Modified Rail Corridor: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/005. Aiken, South Carolina. September.
6. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Caliente Heavy Haul Truck Route: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/006. Aiken, South Carolina. September.
7. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Caliente/Chalk Mountain Heavy Haul Truck Route: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/007. Aiken, South Carolina. September.

8. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Caliente/Las Vegas Heavy Haul Truck Route: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/008. Aiken, South Carolina. September.
9. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Apex/Dry Lake Heavy Haul Truck Route: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/009. Aiken, South Carolina. September.
10. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Sloan/Jean Heavy Haul Truck Route: Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/010. Aiken, South Carolina. September.
11. TtNUS (Tetra Tech NUS, Inc.). 2001. "Data Package for Socioeconomic Analysis, Yucca Mountain Repository: Repository Flexible Design - Higher Temperature Operating Mode; Lower Temperature Operating Mode "Representative Case;" Lower Temperature Operating Mode "Ceiling Case": Clark County, Nevada; Lincoln County, Nevada; Nye County, Nevada; "Rest of Nevada"; State of Nevada. Document Number: TtNUS-09/011. Aiken, South Carolina. September.

## VI. References

- JOrder #3133      Jason Technologies Corporation 2001. *Human Health and Safety Calculation/Analysis Documentation in Support of the Final EIS for the Yucca Mountain Repository*. CAL-MGR-PR-. Las Vegas, Nevada: Jason Technologies Corporation.

## VII. Appendices

- Appendix A      *REMI (Regional Economic Models, Inc.) Input Documentation Report Number 1, Rev. 01: Major Assumptions and General Methodology for the Socioeconomic Assessment of the Yucca Mountain Repository Using REMI Model.*

- Appendix B      1998 Baseline Data Inputs and Outputs

- |              |   |
|--------------|---|
| Attachment 1 | Implementing Alternative Baseline, Clark County Input.                |
| Attachment 2 | Implementing Alternative Baseline, Nye County Input.                  |
| Attachment 3 | Implementing Alternative Baseline, Lincoln County Input.              |
| Attachment 4 | Implementing Alternative Baseline, Rest of the State of Nevada Input. |
| Attachment 5 | Implementing Alternative Baseline, Clark County Output.               |
| Attachment 6 | Implementing Alternative Baseline, Nye County Output.                 |

- Attachment 7 Implementing Alternative Baseline, Lincoln County Output.
- Attachment 8 Implementing Alternative Baseline, Rest of the State of Nevada Output.
- Attachment 9 Implementing Alternative Baseline, All of the State of Nevada Output.
- Attachment 10 Implementing Alternative Baseline, Notes and Inflatons.

Appendix C 2000 Baseline Data Inputs and Outputs

- Attachment 1 Implementing Alternative Baseline, Clark County Input.
- Attachment 2 Implementing Alternative Baseline, Nye County Input.
- Attachment 3 Implementing Alternative Baseline, Lincoln County Input.
- Attachment 4 Implementing Alternative Baseline, Rest of the State of Nevada Input.
- Attachment 5 Implementing Alternative Baseline, Clark County Output.
- Attachment 6 Implementing Alternative Baseline, Nye County Output.
- Attachment 7 Implementing Alternative Baseline, Lincoln County Output.
- Attachment 8 Implementing Alternative Baseline, Rest of the State of Nevada Output.
- Attachment 9 Implementing Alternative Baseline, All of the State of Nevada Output.
- Attachment 10 Implementing Alternative Baseline, Notes and Inflatons.

Appendix D Heavy Haul Truck Route REMI Input Data General to All Routes

Appendix E Rail Corridor REMI Input Data General to All Corridors

## **Appendix A**

### **Major Assumptions and General Methodology**

**REMI INPUT DOCUMENTATION REPORT NUMBER 1, Rev. 01  
MAJOR ASSUMPTIONS AND GENERAL METHODOLOGY FOR THE  
SOCIOECONOMIC IMPACT ASSESSMENT OF THE YUCCA MOUNTAIN  
REPOSITORY USING THE REMI MODEL**

This report identifies the assumptions used to generate input files for the Regional Economic Models, Inc.'s (REMI) Economic Demographic Forecasting System 53 Sector (EDFS-53) model. The REMI model is used in the determination of projected economic and demographic changes in identified areas in Nevada that could be caused by construction and operation of a proposed repository at Yucca Mountain in Nye County, Nevada. The REMI model is also used to determine projected economic and demographic changes through 2035 (the last year of the model) in identified areas in Nevada that could be impacted by the construction or upgrade and operation of facilities and transportation routes related to possible transportation options that are analyzed in the *Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada*. The REMI model used in these determinations is a four-region model. Three of the regions are Clark, Nye, and Lincoln Counties. The fourth region is the Rest of Nevada, an aggregation of the other 14 counties in Nevada.

This report (Section 6) also discusses the general methodology in the use of the REMI model as it is used to identify economic and demographic changes to be analyzed in the Environmental Impact Statement (EIS).

For additional detail on specific options, see the REMI documentation reports for the baseline, construction and operation of the proposed repository, and for each transportation option.

**1. GENERAL ASSUMPTIONS**

- 1.1 Lodging expenses, where applicable, are based on the standard General Services Administration (GSA) rate of \$50/day (1998 dollars).
- 1.2 Meal expenses, where applicable, are based on the standard GSA rate of \$30/day (1998 dollars).
- 1.3 Railroad cost estimates provide costs in 1997 dollars or 1995 dollars.
- 1.4 Heavy haul cost estimates provide costs in 1998 dollars.
- 1.5 Assumptions pertain to the baseline inventory case (70,000 metric tons of heavy metal - MTHM).
- 1.6 REMI inputs are made in 1992 constant dollars. Costs other than wages are converted to 1992 dollars using REMI sector-specific US deflators. (Note: REMI uses 1992 constant dollars for inputs and outputs).

- 1.7 Wage costs are converted to 1992 dollars using REMI's personal consumption expenditures (PCE) indexes.
- 1.8 First year of full operations is 2010.
- 1.9 Outputs from the REMI model are provided in 1992 constant dollars. They are converted to 2000 or 2001 dollars using REMI's region-specific PCE indexes.

## 2. BASELINE FORECAST ASSUMPTIONS

- 2.1. The baseline forecast was run twice. The first run, the "Local-based forecast" was made in August of 2000 and incorporated local and state data to best approximate local population forecasts made by or for Clark and Nye Counties, and by the Nevada State Demographer for Lincoln County and for the Rest of Nevada. This "Local-based forecast" was run using REMI version 1.1.0.0, for which the last history year is 1997. The second run, the "Census anchored baseline" was run in April 2001 using REMI version 3.1, for which the last history year is 1998. The "Census anchored baseline" was run using the same methodology and same bases as the "Local-based forecast," except that an additional step was taken to adjust the year 2000 population forecast to match the U.S. Bureau of Census year 2000 population estimates as determined in the Decennial Census.
- 2.2. REMI's employment history for Clark County is updated by 2-digit Standard Industrial Code (SIC) State data (Nevada Department of Employment Training and Rehabilitation).
- 2.3. Employment history for Rest of Nevada is updated by 2-digit SIC State data for Nevada less Clark County (as an approximation for Rest of Nevada).
- 2.4. Employment histories for Nye County and Lincoln County are updated with 1-digit State data.
- 2.5. Retirement migration projections for Clark, Lincoln, Nye, and Rest of Nevada are modified according to the cohort-component model developed in 1994 by the M&O Regional Studies Department—*The Development of Annual Net Migration Rates for Persons Ages 65 Years and Over by Single Years of Age and Gender for Nevada, the Counties of Clark, Lincoln, and Nye, and the Remainder of the State* (Carlson and Swanson 1994).
- 2.6. REMI's forecast for Clark County is modified by information presented in annual population forecasts prepared for Clark County by the University of Nevada Las Vegas Center for Business and Economic Research (Riddel and Schwer 1999, 2000).



- 2.7. REMI's forecast of Nye County's Mining Sector is modified by supplemental information on the closure of the Bullfrog mine (1998-2000).
- 2.8. REMI's forecast of Nye County is modified by information developed by or for Nye County (PIC 1998 and Williams 2000).
- 2.9. REMI's forecasts of various sectors are modified by historical information on Nevada Test Site (NTS) employment in Clark and Nye Counties.
- 2.10. REMI's forecasts of various sectors for 1998 are modified by historical information on Yucca Mountain Project (YMP) employment in Clark and Nye Counties.
- 2.11. REMI's implicit forecasts for NTS and Nellis Air Force Base from stand, that is, there are no additional policy variable adjustments made to account for changes. This is not quite the same as assuming flat employment at NTS and Nellis, because REMI has built in growth or decline driven by its US forecast.
- 2.12. YMP offsite employment (i.e. employment not at NTS locations) is assumed constant. It is assumed there will be future employment in Clark County at current levels. The mix may change but any changes are unknown.
- 2.13. Distribution of YMP onsite employees (at NTS locations) by residence is made according to residential distribution patterns documented in the 1994 survey report, *Socioeconomic Monitoring Program 1994 U.S. Department of Energy/Nevada Employee Survey Data Report, Executive Summary* (DOE 1994). Employees who work onsite are assumed to reside in either Clark or Nye Counties. The following table provides the ratios:

Place of Residence	Number of Employees	Percentage of employees in Clark & Nye Counties
Clark	1268	80.46%
Lincoln	5	NA*
Nye	308	19.54%
Other Nevada	6	NA*

Not applicable. Percentage is less than 1/3rd of one percent, and none of those surveyed were employed on the Yucca Mountain Project.

Source: DOE 1994, Table 2-7

### 3. HEAVY HAUL TRANSPORTATION OPTIONS ASSUMPTIONS

#### 3.1 Heavy Haul Construction & Maintenance

- 3.1.1. Costs for Architectural and Engineering (A&E), public road upgrades, NTS road upgrades, water wells, construction management, and road maintenance come from *Cost Estimate for the Heavy Haul Truck Transport Design* (CRWMS 1998c).
- 3.1.2. Cost contingency is 25%, unless otherwise noted (from the *Cost Estimate*).
- 3.1.3. Labor hours for contract and subcontract work are distributed to 2006, 2007, 2008, 2009 according to the distribution of construction costs.
- 3.1.4. Each worker is assumed to work 2000 hours per year (to convert from hours to full-time equivalent employees).
- 3.1.5. A 25% contingency applies to the number of workers (which is consistent with the cost contingency).
- 3.1.6. The number of workers on NTS roads is determined by a proportionality to the construction cost:

$$\frac{\text{Number of workers on NTS roads}}{\text{Construction cost on NTS roads}} = \frac{\text{Number of workers on public roads}}{\text{Construction cost on public roads}}$$

- 3.1.7. The number of striping-and-signal subcontract workers is derived from the subcontract cost by the ratio of \$100,000 per worker.
- 3.1.8. Costs for drilling water wells and for lodging and meals are distributed among the affected counties according to the length of the route in each county.
- 3.1.9. The full cost of road maintenance counts as an impact, despite the fact that some maintenance would be required on the existing roads if they are not upgraded.
- 3.1.10. Road construction funding for the Las Vegas Beltway would be advanced to Clark County for the 4-year period 2006-2009. The annual dollar amounts will be used in the REMI model as increases in the highway construction sector. Clark County would repay the amount used for early completion of the beltway, with interest, over a 30 year period beginning in 2011. The interest is assumed to be a real rate of 3%, e.g., 3% above the inflation rate. This is consistent with current economic data whereby the return on municipal bonds exceeds inflation by approximately 2.5% - 3%.
- 3.1.11. There are two cost estimates for the early completion of the Las Vegas Beltway. The first, used in the Draft EIS for the potential repository (DOE 1999) used as a cost estimate data from a Clark County environmental study for the Las Vegas Beltway (Clark County 1997), as shown in the *Cost Estimate* (CRWMS M&O 1998). The second is from a more recent report prepared by The Louis Berger

Group, Inc. (2000) for the City of North Las Vegas. For each of the heavy haul transportation routes using the Las Vegas Beltway, there are two REMI runs, one for each cost estimate.

- 3.1.12. Construction firms based in Clark County get the construction contracts.
- 3.1.13. Construction firms based in Clark County get the maintenance contracts.
- 3.1.14. All of the construction and maintenance workers live in Clark County.
- 3.1.15. Construction workers stay 5 day/wk in hotels or motels near the worksite.
- 3.1.16. Maintenance workers stay 5 day/wk in hotels or motels near the worksite.
- 3.1.17. Construction workers eat in restaurants near the worksite.
- 3.1.18. Maintenance workers eat in restaurants near the worksite. It is noted that the rationale for assumptions 3.1.11 – 3.1.17 are as follows: First, construction and maintenance contracts will undoubtedly go to large firms. These firms may well be in the Reno/ Carson City area or even out of state, but the assumption that they are in Clark County maximizes potential impacts in the region. This meets a requirement that this assumption is realistic. Finally, the transfer of dollars from workers through the hotel and restaurant sectors should cause some economic actions/stimulus to those counties where the construction is taking place.
- 3.1.19. No allowance is made for construction management per diem expenses.
- 3.1.20. Cost contingencies count as part of the impact.
- 3.1.21. Estimates of numbers of workers include the appropriate contingency.

### **3.2 Heavy Haul Trucking Operation**

- 3.2.1. Nevada Highway Patrol (NHP) escorts do not incur lodging or meal expenses. They are assumed to travel the roads within their normal range of operations, typically ending at the county line. See assumptions 3.2.4 - 3.2.7, below. NHP escorts are assumed to be new state employees and are entered into the REMI model as an increase in state government employees.
- 3.2.2. For all routes originating at the Caliente Intermodal Transfer Facility (IMT), a four day roundtrip is assumed, two days each way. The 1<sup>st</sup> and 3<sup>rd</sup> night will be spent at the approximate halfway point. As a result, drivers and private escorts incur lodging and meal expenses 3 days and 3 nights per week for all routes originating from Caliente. Private escorts are technical personnel, not security guards, accompanying the shipments.
- 3.2.3. For the routes originating at Caliente, except the route through Las Vegas, half of the truck drivers and private escorts live in Lincoln County; the remaining half are

distributed between Clark and Nye Counties according to the distribution of NTS and YMP workers in the 1994 Survey (including Tonopah).

- 3.2.4. For the Caliente Route, the Nevada Highway Patrol (NHP) escorts live in Lincoln according the approximate ratio of the route length in Lincoln County to the total route length. The rest live in Nye. (The short length in Esmeralda is attributed to Nye.) Thus, one-fourth of the Highway Patrol are assumed to live in Lincoln County, and three-fourths are assumed to live in Nye County.
- 3.2.5. For the Caliente Chalk Mountain Route, all of the NHP escorts live in Lincoln County. NHP escorts are not required beyond the entrance to the Nellis Air Force Range. Assume the normal contingent of 2 NHP escorts per transporter, but since the escort duty is only half the journey, only half of the total number of escorts will be required.
- 3.2.6. For the Caliente-Las Vegas Route, half of the drivers and private escorts live in Lincoln County, and half live in Clark. Three-quarters of the NHP escorts live in Clark and one-quarter live in Lincoln. Because of the short mileage in Nye County from the Clark County line to Mercury, no NHP escorts are assumed to live in Nye.
- 3.2.7. For the routes originating in Clark County, all of the truck drivers, private escorts, and Nevada Highway Patrol escorts live in Clark County, and none of them incur any per diem expenses.
- 3.2.8. Security personnel who work at the overnight stop live in the county where the stop is located. The total number of security staff at the overnight stop is 22.
- 3.2.9. Cost contingencies count as part of the impact.
- 3.2.10. Employment estimates include the appropriate cost contingencies from the Heavy Haul Cost Estimate. There are no contingencies for NHP escorts.
- 3.2.11. Staffing for heavy haul operations. There are 2 NHP per transporter in service (no contingency), except as noted in assumption 3.2.5, above, for the Caliente Chalk Mountain route. There are 2 private escorts per transporter (plus 25% contingency), 3 truck drivers per transporter (plus 25% contingency), and 22 security staff (includes 20% contingency) at the overnight stop.
- 3.2.12. The cost of transportation permits and fees is shown in the REMI inputs as an increase in government spending in Rest of Nevada. These monies are assumed to pay the State of Nevada for permit processing and oversight.
- 3.2.13. For the routes originating in Caliente,  $1/6^{\text{th}}$  of the lodging and meal expenses are incurred at each end of the line (e.g., at Caliente in Lincoln County and in the Yucca Mountain vicinity in Nye County), and  $2/3^{\text{rd}}$  are incurred at the overnight

stopping point. There are no lodging and meal expenses for the routes that originate in Clark County, as those routes are completed (round trip) in one day.

### **3.3 Intermodal Transfer Facility Construction and Operation**

- 3.3.1. Construction and operations costs come from *Cost Estimate for the Heavy Haul Truck Transport Design* (CRWMS M&O 1998c).
- 3.3.2. Cost contingencies are included in cost estimates.
- 3.3.3. Direct contract labor hours and subcontract labor cost for construction comes from *Yucca Mountain Site Characterization Project Intermodal Transfer Facility, Cost Estimate, Summary by Activity* (CRWMS M&O 1997).
- 3.3.4. Construction subcontract labor cost is assumed to be 30% of the total subcontract cost.
- 3.3.5. Each construction worker is assumed to work 40 hours per week.
- 3.3.6. For construction, the labor contingency is 30% for direct labor and 15% for subcontract labor.
- 3.3.7. The construction and A&E contracting firms are located in Clark County.
- 3.3.8. A&E workers live in Clark County.
- 3.3.9. A&E workers commute to the construction site as required. Commuting workers bring lunch from home.
- 3.3.10. IMT construction workers live in Clark County.
- 3.3.11. A fringe benefits portion is deducted from the construction wage bill because REMI adds a fringe benefit amount to the wage bill. This eliminates double counting.
- 3.3.12. Construction workers on the Caliente IMT commute weekly and spend per diem 5 days/week and 5 nights/week in Lincoln County.
- 3.3.13. Assume a period of 15 months for construction, equally split between two calendar years (2008 and 2009). See Phil Gehner's note of 12/21/98 (attached).
- 3.3.14. IMT operations workers live in the county where the IMT facility is located.
- 3.3.15. The number of operating employees without contingency is assumed to be 20, as stated in *Cost Estimate for the Heavy Haul Truck Transport Design* (CRWMS M&O 1998c).
- 3.3.16. The operating employees contingency is 30%.
- 3.3.17. A&E costs occur in 2007 and 2008.

#### **4. RAILROAD ROUTES ASSUMPTIONS**

##### **4.1 Railroad Construction**

- 4.1.1. Trailer camp construction is contracted out to firms in the counties where the camps are to be located. The subcontractor allowance for building a camp is \$50,000 (1997 dollars) for labor, equipment, and supplies. This does not include the cost for purchasing used trailers or the land for the camps. Costs come from *Nevada Transportation Study Construction Cost Estimate*, (CRWMS M&O 1998d).
  - 4.1.2. Water-well drilling is contracted out to firms in the counties where the wells are to be drilled. Subcontractor costs are estimated at \$75,000 (1997 dollars) per well. Wells will be drilled along the potential railroad routes in the approximate ratio of 10 wells for each camp. Wells are apportioned among the counties in the same ratio as the construction camps. Costs come from *Nevada Transportation Study Construction Cost Estimate* (CRWMS M&O 1998d).
  - 4.1.3. Estimates of the railroad construction work force come from total labor hour estimates from the *Nevada Transportation Study Construction Cost Estimate* (CRWMS M&O 1998d) and Jeff Pullen's labor hour estimates (1/12/99, attached).
  - 4.1.4. Construction time estimates are made for each route, construction ending at the end of 2009. The construction times are:
    - Caliente - 46 months
    - Caliente-Chalk Mountain - 43 months
    - Carlin - 46 months
    - Valley Modified - 40 months
    - Jean - 43 months
  - 4.1.5. Workers are nominally assigned to base camps according to an even split by the number of camps.
  - 4.1.6. All railroad construction workers commute weekly from Clark County to the trailer camps outside Clark County and eat in local restaurants 5 days/week, 50 weeks/year. Workers in the camps within Clark County commute daily and bring lunch from home. There are no per diem expenses for daily commuters.
  - 4.1.7. Cost contingencies count as part of the impact.
  - 4.1.8. Labor contingency is 20%.
- ##### **4.2 Railroad Operation**
- 4.2.1. Operations workers live in the county where the route branches off the main line, except for the Carlin routes, for which they live in Elko, Elko County.

- 4.2.2. The required increase in output of the Railroad Sector appears in the county where the route branches off the main line.
- 4.2.3. Estimates of wage rates are taken from a fax originally from MK Environmental to Jason Technologies (a note in the upper left corner says, “YMP Transportation Study 2: Staffing Estimates” and the table is dated 08/23/95).
- 4.2.4. The cost estimate for railroad operations is based on 84 round trips per year. The EIS assumes 260 round trips per year (5 round trips per week). For consistency with the rest of the EIS, the railroad operations simulations must assume 260 trips per year. The demand for some types of operations workers depends on the trip frequency, but the demand for others is independent of the frequency, at least up to a point. For the REMI simulations, the numbers of railroad workers in certain positions were scaled up by a factor of 260/84, roughly 3 (e-mail to Ralph Best from Guy Ragan, 01/07/99, attached). The numbers of workers in other positions were left alone. The operations wage bill and the size of train crews are based on the resulting numbers of workers in each position and the salaries specified in the railroad cost estimate.
- 4.2.5. Trains travelling the routes originating in Clark County make a round trip in one day. There is no per diem expense.
- 4.2.6. For Caliente and Carlin routes, the trains make a round trip in two days, with an overnight stay in Nye County. Two trains per week per crew.
- 4.2.7. Trains run 52 weeks/yr.
- 4.2.8. Cost contingencies are included.
- 4.2.9. Employment estimates include a 25% contingency.

## **5. REPOSITORY ASSUMPTIONS**

- 5.1. For maximum impact for surface construction and operation, uncanistered waste is assumed.
- 5.2. Repository surface and subsurface construction and operation employment estimates are the same as analyzed for health and safety impacts in Appendix F of the Final EIS.
- 5.3. Distribution of employment for the Construction sector is as stated in the *Engineering Files* for craft labor in the Draft EIS.
- 5.4. Distribution of the balance of the employment is similar to current distribution of non-construction labor at NTS.

## 6. GENERAL METHODOLOGY

In the terminology of the REMI model, the direct effects of a project to be assessed are introduced to the model by *policy variables*. The REMI model supports hundreds of policy variables that can introduce a broad range of direct effects. The policy variables that are used in the simulation under review represent, for example, direct employment by industry sector; direct spending by the project as a final output or as an increase in demand; indirect spending by employees for lodging, eating and drinking expenses when away from their place of residence; or an influx of monies into a county through higher than average wages assumed for this project.

Variables are used singly or in combination with other variables. They are applied in the county (or counties) where the impacts are expected, based on the activity and on assumptions that the county realistically has the ability to supply the necessary input. For example, as noted in assumption 3.1.11, it is assumed that a construction company based in Clark County will be the contractor for upgrading and maintaining heavy haul routes. This assumption is made because this is a sizable, viable sector of the Clark County economy, whereas there is not such a sizable sector in Lincoln or Nye Counties.

The choice of input variables is dependent also upon the level of information and detail provided in the cost estimates. Knowing how much is spent and the schedule of expenditures is important, but equally important is a realistic assumption of where the monies are spent. Thus, while total expenditures (such as for construction and operation of the repository) have been estimated, this knowledge is of minimal use if it is not known whether the monies are spent in Nevada, where the expenditure will impact the Nevada economy, or outside the state, where the expenditures will not impact the Nevada economy. In these cases, input variables will be chosen to reflect what occurs in Nevada, such as the employment at the repository.

For each simulation, information is obtained from the cost estimates or other appropriate sources and is assigned to appropriate REMI policy variables. As needed, they are translated to real 1992 dollars (see assumptions 1.6 and 1.7) and are divided and assigned to the appropriate Nevada region. The REMI model is then run and the outputs (changes from the baseline forecast) are examined. See the individual REMI Input Documentation reports for additional detail for specific REMI simulations. These reports are listed in Attachment A.

As a final note, tables presented in these REMI Input Documentation reports are derived from spreadsheets used to develop the inputs for the REMI simulations. As a result, occasionally columns may not add due to rounding.

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Williams, Ron 2000. "Nye County Population Estimates Through the Fourth Quarter 1999." Tonopah, Nevada: Nye County Department of Planning. TIC: 248428.

**ATTACHMENTS**

Attachment A: Input Documentation Report Number And Title

Attachment B: Correspondence Related to Employment, Schedule, and Cost Estimates

Attachment C: REMI Input Assumptions Based on Attached Email

## ATTACHMENT A

### INPUT DOCUMENTATION REPORT NUMBER AND TITLE

1. Major Assumptions And General Methodology For The Socioeconomic Impact Assessment Of The Yucca Mountain Repository Using The REMI Model (TtNUS-09/014, Appendix A)
2. Socioeconomic Baseline Forecast (TtNUS-09/014, Appendix A)
  - 2a - Local-based forecast
  - 2b - Census anchored baseline
3. Repository Construction and Operation (TtNUS-09/011, Appendix A)
4. Heavy Haul Transportation Options: Construction and Maintenance (TtNUS-09/014, Appendix D)
  - 4.1. Caliente Heavy Haul Route Construction and Maintenance (TtNUS-09/006, Appendix A)
  - 4.2. Caliente Chalk Mountain Heavy Haul Route Construction and Maintenance (TtNUS-09/007, Appendix A)
  - 4.3. Caliente Las Vegas Heavy Haul Route Construction and Maintenance (TtNUS-09/008, Appendix A)
  - 4.4. Apex/Dry Lake Heavy Haul Route Construction and Maintenance (TtNUS-09/009, Appendix A)
  - 4.5. Sloan/Jean Heavy Haul Route Construction and Maintenance (TtNUS-09/010, Appendix A)
5. Heavy Haul Transportation Options: Operations (TtNUS-09/014, Appendix D)
  - 5.1. Caliente Heavy Haul Route Operations (TtNUS-09/006, Appendix A)
  - 5.2. Caliente Chalk Mountain Heavy Haul Route Operations (TtNUS-09/007, Appendix A)
  - 5.3. Caliente Las Vegas Heavy Haul Route Operations (TtNUS-09/008, Appendix A)
  - 5.4. Apex/Dry Lake Heavy Haul Route Operations (TtNUS-09/009, Appendix A) \*
6. General Aspects of Construction and Operation of the Intermodal Transfer (IMT) Facilities (TtNUS-09/014, Appendix D)
  - 6.1. Caliente IMT Facility Construction And Operations (TtNUS-09/006, Appendix A)
  - 6.2. Apex/Dry Lake IMT Facility Construction And Operations (TtNUS-09/009, Appendix A) \*
7. General Aspects of Construction and Operations of the Railroad Transportation Routes (TtNUS-09/014, Appendix E)
  - 7.1. Caliente Railroad Route Construction and Operations (TtNUS-09/001, Appendix A)
  - 7.2. Caliente Chalk Mountain Railroad Route Construction and Operations (TtNUS-09/002, Appendix A)
  - 7.3. Carlin Railroad Route Construction and Operations (TtNUS-09/003, Appendix A)
  - 7.4. Valley Modified Railroad Route Construction and Operations (TtNUS-09/004, Appendix A)
  - 7.5. Jean Railroad Route Construction and Operations (TtNUS-09/005, Appendix A)

\* Sloan/Jean inputs would be identical and no separate documentation report is prepared for either the Sloan/Jean Heavy Haul Operations or the Sloan/Jean IMT.

**ATTACHMENT B**

**CORRESPONDENCE RELATED TO EMPLOYMENT,  
SCHEDULE, AND COST ESTIMATES**

**REMI INPUT DOCUMENTATION REPORT NUMBER 2, Rev. 01****SOCIOECONOMIC BASELINE FORECAST****1. SCOPE**

The Regional Economic Models, Inc. (REMI) model is equipped to provide a baseline forecast of economic and demographic conditions through 2035 with no input required from the user beyond simply telling the model to make the forecast. However, the user can produce an adjusted baseline forecast that takes account of any local or more recent knowledge the user might have about the region. This Documentation Report explains the basis of an adjusted baseline forecast of economic and demographic conditions on the assumption that the proposed Yucca Mountain Repository will not be built. The forecast serves as a baseline against which the changes induced by the project can be compared. Because the REMI model is based on nationally collected data for which there is a lag between collection and issuance by the national agencies, and another lag before the data is incorporated into the REMI model, there is always a gap between the current year and the last history year of approximately 2 to 3 years. The last history year for the REMI model used in this baseline forecast (version 1.1.0.0) is 1997 and the REMI forecast extends from 1998 to 2035. This documentation report discusses methods used to bring the model more up to the current date through incorporation of state and local data for the period of 1998 to 2001.

Several changes have been made in the development of the the baseline forecast since the Draft EIS. The primary impetus of the changes is to ensure that the baseline estimates of current population and forecasts of future population incorporate the population estimates and forecasts developed by or for county officials in the region of influence. If no locally produced estimates and projections are available, population estimates and projections from the Nevada State Demographer's Office are used as a target for the population baseline. It should be noted that this baseline is developed prior to release of U.S. Census 2000 data and does not take into account such information.

This report takes advantage of recent analyses and collection of data in Clark (Riddel and Schwer 1999) and Nye Counties (PIC 1998). These analyses both used versions of the REMI model in their projections, and, as appropriate, that data is used in this report and in the development of the baseline.

**2. BASIS OF THE SIMULATION**

Economic and demographic forecasts extending decades into the future are necessarily highly uncertain, especially in a rapidly growing region such as southern Nevada. The

primary drivers of the baseline forecast are the assumptions embodied within the REMI model coupled with REMI's US forecast through 2035. For the historical years 1998 through 2001 and into the future, up-to-date local information was folded into the forecast in an effort to improve accuracy. In particular, adjustments were made for:

- (a) 1998 employment using comprehensive employment data from the State of Nevada Department of Employment, Training, and Rehabilitation (NDETR)
- (b) 1999 through 2000 employment by the U.S. Department of Energy (DOE) and its contractors in Clark and Nye Counties
- (c) Expected increases in hotel-casino employment in Clark and Nye Counties through 2001 as a result of the openings or new hotel/casinos
- (d) Bullfrog mine employment in Nye County through 2001, and expected stability in mining employment at other mines
- (e) Net migration of retirees in Clark, Lincoln, Nye, and the Rest of Nevada through 2035
- (f) Finally, adjustments are made for estimates and projections of total population developed by the Nevada State Demographer's Office and by Clark and Nye Counties.

This documentation report explains the bases of the adjustments.

## **2.1 1998 Employment Update**

The REMI model that was used for the simulations under review has historical data through 1997. More recent employment data (for 1998<sup>1</sup>) has been published by the Nevada Department of Employment Training and Rehabilitation (NDETR 2001). The REMI model's "Employment Update" feature is specifically designed to accommodate new historical data provided by users. To obtain a 1998 employment estimate, REMI's employment update algorithm multiplies REMI's estimated employment for 1997 by the ratio of the NDETR employment in 1998 to that of 1997. Tables 1 through 4 present the employment data and assumptions. In Tables 1 and 2, the data in the columns labeled "1997" and "1998" is the exact REMI input. In Tables 3 and 4, the REMI input for each REMI sector is the data in the columns labeled "1997" and "1998," repeated as required to complete the NDETR sectors.

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<sup>1</sup> At the time the REMI run for this economic simulation was made, NDETR employment data for 1998 was the most current available. 1999 employment data was not yet available.

Due to the need to protect the anonymity of the data, the NDETR publishes employment data at a coarser level of categorization by economic sector for Lincoln and Nye counties than for Clark County and the state of Nevada as a whole. For this and other reasons, NDETR does not categorize its data into precisely the same 53 economic sectors used by the REMI model. Therefore, for Lincoln and Nye, it was frequently necessary to infer employment change in a number of REMI sectors from the employment change within a coarser NDETR sector. The assumption invoked for Lincoln and Nye was that the growth rate in the finer (REMI) sectors was equal to that in the coarser (NDETR) sectors. A different assumption, that there was no change from 1997 to 1998, was applied as occasionally required in Clark County and “Rest of Nevada” to economically trivial sectors (e.g., tobacco and apparel manufacturing), to federal and civilian government employment, which changed little, and to REMI sectors that are not covered by the NDETR data (i.e., private household services and railroad).

To estimate employment growth in the REMI region “Rest of Nevada,” which consists of Nevada less Clark, Lincoln, and Nye, employment data for a nearly equivalent region, Nevada less Clark, was derived from the NDETR data. Thus, the assumption is that, between 1997 and 1998, employment changes in Lincoln and Nye were small compared to employment changes in the remaining counties of Nevada (i.e., less Clark, Lincoln, and Nye).

Table 1. Worksheet for Clark County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1997	1998			
1	Lumber(24)	1603	1570	-0.021	24	Lumber, Wood Products
2	Furniture(25)	356	347	-0.025	25	Furniture
3	Stone,clay,etc.(32)	2342	2375	0.014	32	Stone, Clay, Glass
4	Primary Metals(33)	650	703	0.082	33	Primary Metals
5	Fabricated Metals(34)	1309	1327	0.014	34	Fabricated Metals
6	Machinery & Computers(35)	775	822	0.061	35	Machinery exc. Elect.
7	Electrical Equipment(36)	1058	1080	0.021	36	Electrical Equipment
8	Motor Vehicles (371)	1	1	0.000	NA	Trivial, assume no change
9	Rest of Transportation Equipment (r37)	1	1	0.000	NA	Trivial, assume no change
10	Instruments (38)	445	422	-0.052	38	Prof., Optical Goods
11	Miscellaneous Manufacturing (39)	1875	1954	0.042	39	Miscellaneous Manufacturing
12	Food(20)	2182	2137	-0.021	20	Food Products
13	Tobacco Manufacturing (21)	1	1	0.000	NA	Trivial, assume no change
14	Textiles(22)	663	664	0.002	23	Apparel and Textiles
15	Apparel(23)	1	1	0.000	NA	Trivial, assume no change
16	Paper(26)	1	1	0.000	NA	Trivial, assume no change
17	Printing(27)	3078	3140	0.020	27	Printing, Publishing
18	Chemicals(28)	665	822	0.236	28	Chemical Products
19	Petroleum Products (29)	1	1	0.000	NA	Trivial, assume no change
20	Rubber(30)	1308	1411	0.079	30	Rubber, Plastic Products
21	Leather(31)	1	1	0.000	NA	Trivial, assume no change
22	Mining(10,12-14)	571	695	0.217	10, 12-14	MINING
23	Construction(15-17)	60702	65202	0.074	15-17	CONSTRUCTION
24	Railroad(40)	1	1	0.000	NA	Not Covered, assume no change
25	Trucking(42)	3592	3779	0.052	42	Freight, Warehousing
26	Local/interurban(41)	7207	7681	0.066	41	Local, Suburban Trans
27	Air Transportation (45)	5831	5983	0.026	45	Air Transportation
28	Other Transportation(44,46,47)	2710	2830	0.044	NA	All Other Transportation
29	Communication(48)	5637	6697	0.188	48	Communications
30	Public Utilities(49)	5317	5360	0.008	49	Electric, Gas
31	Banking(60)	7958	8038	0.010	60	Banking
32	Insurance(63,64)	5726	6160	0.076	Sum	
33	Credit & Finance (61,62,67)	4147	5189	0.251	Sum	
34	Real Estate(65)	10698	11646	0.089	65	Real Estate
35	Eating and drinking places (58)	36927	38674	0.047	58	Eating & Drinking
36	Rest of retail (52-57,59)	61676	67089	0.088	Sum	
37	Wholesale (50,51)	19075	20306	0.065	Sum	



Table 1. Worksheet for Clark County Employment Update (Continued)

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
38	Hotels(70)	14617 5	14806 0	0.013	70	Hotels, Motels
39	Personal Service and repair (72,76)	8259	8794	0.065	Sum	
40	Private Household Services (88)	1	1	0.000	NA	<i>Not Covered, assume no change</i>
41	Auto Repair Services (75)	5818	5824	0.001	75	Automobile Repair
42	Miscellaneous Business Services (73)	34366	35750	0.040	73	Business Services
43	Amusement & Recreation (79)	16098	16282	0.011	79	Amusement & Recreation
44	Motion Pictures (78)	1850	2029	0.097	78	Motion Pictures
45	Medical (80)	27327	28515	0.043	80	Medical & Health
46	Misc. Prof. Services (81,87,89)	15949	16824	0.055	Sum	
47	Education (82)	1311	1550	0.182	82	Educational Services
48	Non-profit (83,84,86)	7114	7690	0.081	Sum	
49	Ag., Forestry and Fisheries Serv. (07-09)	5276	5869	0.112	01-09	AG, FOREST, FISHING
50	State & Local Government	50629	54408	0.075	Sum	
51	Federal Government (Civilian)	1	1	0.000	NA	<i>Little change, assume no change</i>
52	Federal Government (Military)	1	1	0.000	NA	<i>Little change, assume no change</i>
53	Farm	1	1	0.000	NA	<i>Trivial, assume no change</i>

<sup>a</sup>The proxy value "1" appears where no NDETR figure is available. An assumption of no change is invoked by placing the same proxy value in the 1997, 1998, and 1999 columns.

<sup>b</sup>"NA" indicates that no NDETR estimate is available; "Sum" indicates that the REMI category is the union of a number of NDETR categories, for which the figures have been added together.

Table 2. Worksheet for “Rest of Nevada” Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1997	1998			
1	Lumber(24)	395	393	-0.005	24	Lumber, Wood Products
2	Furniture(25)	457	534	0.168	25	Furniture
3	Stone,clay,etc.(32)	1104	1088	-0.014	32	Stone, Clay, Glass
4	Primary Metals(33)	694	714	0.029	33	Primary Metals
5	Fabricated Metals(34)	2480	2944	0.187	34	Fabricated Metals
6	Machinery & Computers(35)	2292	2169	-0.054	35	Machinery exc. Elect.
7	Electrical Equipment(36)	1609	1581	-0.017	36	Electrical Equipment
8	Motor Vehicles (371)	1	1	0.000	NA	Trivial, assume no change
9	Rest of Transportation Equipment (r37)	1	1	0.000	NA	Trivial, assume no change
10	Instruments (38)	2208	2261	0.024	38	Prof., Optical Goods
11	Miscellaneous Manufacturing (39)	2832	2785	-0.017	39	Miscellaneous Manufacturing
12	Food(20)	1119	1312	0.172	20	Food Products
13	Tobacco Manufacturing (21)	1	1	0.000	NA	Trivial, assume no change
14	Textiles(22)	392	446	0.138	23	Apparel and Textiles
15	Apparel(23)	1	1	0.000	NA	Trivial, assume no change
16	Paper(26)	1	1	0.000	NA	Trivial, assume no change
17	Printing(27)	2577	2704	0.049	27	Printing, Publishing
18	Chemicals(28)	362	425	0.174	28	Chemical Products
19	Petroleum Products (29)	1	1	0.000	NA	Trivial, assume no change
20	Rubber(30)	2016	1984	-0.016	30	Rubber, Plastic Products
21	Leather(31)	1	1	0.000	NA	Trivial, assume no change
22	Mining(10,12-14)	14092	12541	-0.110	10, 12-14	MINING
23	Construction(15-17)	21251	21315	0.003	15-17	CONSTRUCTION
24	Railroad(40)	1	1	0.000	NA	Not Covered, assume no change
25	Trucking(42)	3888	4170	0.073	42	Freight, Warehousing
26	Local/interurban(41)	992	1067	0.076	41	Local, Suburban Trans
27	Air Transportation (45)	3747	3760	0.003	45	Air Transportation
28	Other Transportation(44,46,47)	613	636	0.038	NA	All Other Transportation
29	Communication(48)	2751	2977	0.082	48	Communications
30	Public Utilities(49)	2593	2614	0.008	49	Electric, Gas
31	Banking(60)	2648	2682	0.013	60	Banking
32	Insurance(63,64)	2890	3144	0.088	Sum	
33	Credit & Finance (61,62,67)	1776	2019	0.137	Sum	
34	Real Estate(65)	4495	4474	-0.005	65	Real Estate
35	Eating and drinking places (58)	14799	14693	-0.007	58	Eating & Drinking
36	Rest of retail (52-57,59)	32131	32124	0.000	Sum	
37	Wholesale (50,51)	15817	16541	0.046	Sum	
38	Hotels(70)	43538	43180	-0.008	70	Hotels, Motels
39	Personal Service and repair (72,76)	3633	3640	0.002	Sum	
40	Private Household Services (88)	1	1	0.000	NA	Not Covered, assume no change
41	Auto Repair Services (75)	3193	3426	0.073	75	Automobile Repair
42	Miscellaneous Business Services (73)	13250	14762	0.114	73	Business Services
43	Amusement & Recreation (79)	10680	10552	-0.012	79	Amusement & Recreation
44	Motion Pictures (78)	764	842	0.102	78	Motion Pictures
45	Medical (80)	14590	15344	0.052	80	Medical & Health
46	Misc. Prof. Services (81,87,89)	10888	11191	0.028	Sum	
47	Education (82)	805	869	0.080	82	Educational Services
48	Non-profit (83,84,86)	5422	5822	0.074	Sum	
49	Ag., Forestry and Fisheries Serv. (07-09)	3505	3716	0.060	01-09	AG, FOREST, FISHING
50	State & Local Government	40107	41011	0.023	Sum	
51	Federal Government (Civilian)	1	1	0.000	NA	Little change, assume no change
52	Federal Government (Military)	1	1	0.000	NA	Little change, assume no change
53	Farm	1	1	0.000	NA	Trivial, assume no change

<sup>a</sup>The proxy value “1” appears where no NDETR figure is available. An assumption of no change is invoked by placing the same proxy value in the 1997, 1998, and 1999 columns.

<sup>b</sup>“NA” indicates that no NDETR estimate is available; “Sum” indicates that the REMI category is the union of a number of NDETR categories, for which the figures have been added together.

Table 3. Worksheet for Nye County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR Category; <i>Note</i>
		1997	1998		
		174	201	0.1552	MANUFACTURING
1	Lumber(24)			0.1552	
2	Furniture(25)			0.1552	
3	Stone,clay,etc.(32)			0.1552	
4	Primary Metals(33)			0.1552	
5	Fabricated Metals(34)			0.1552	
6	Machinery & Computers(35)			0.1552	
7	Electrical Equipment(36)			0.1552	
8	Motor Vehicles (371)			0.1552	
9	Rest of Transportation Equipment (r37)			0.1552	
10	Instruments (38)			0.1552	
11	Miscellaneous Manufacturing (39)			0.1552	
12	Food(20)			0.1552	
13	Tobacco Manufacturing (21)			0.1552	
14	Textiles(22)			0.1552	
15	Apparel(23)			0.1552	
16	Paper(26)			0.1552	
17	Printing(27)			0.1552	
18	Chemicals(28)			0.1552	
19	Petroleum Products (29)			0.1552	
20	Rubber(30)			0.1552	
21	Leather(31)			0.1552	
22	Mining(10,12-14)	1363	1202	-0.1181	MINING
23	Construction(15-17)	548	487	-0.1113	CONSTRUCTION
		240	260	0.0833	TRANS. COMM. & UTILITIES (TCU)
24	Railroad(40)			0.0833	<i>Not covered, assume same as TCU</i>
25	Trucking(42)			0.0833	
26	Local/interurban(41)			0.0833	
27	Air Transportation (45)			0.0833	
28	Other Transportation(44,46,47)			0.0833	
29	Communication(48)			0.0833	
30	Public Utilities(49)			0.0833	
		176	186	0.0568	FIN. INS. & REAL ESTATE
31	Banking(60)			0.0568	
32	Insurance(63,64)			0.0568	
33	Credit & Finance (61,62,67)			0.0568	
34	Real Estate(65)			0.0568	
		1117	1176	0.0528	WHOLESALE & RETAIL
35	Eating and drinking places (58)			0.0528	
36	Rest of retail (52-57,59)			0.0528	
37	Wholesale (50,51)			0.0528	
		3538	3677	0.0393	SERVICE INDUSTRIES
38	Hotels(70)			0.0393	
39	Personal Service and repair (72,76)			0.0393	
40	Private Household Services (88)			0.0393	<i>Not covered, assume same as services</i>
41	Auto Repair Services (75)			0.0393	
42	Miscellaneous Business Services (73)			0.0393	
43	Amusement & Recreation (79)			0.0393	
44	Motion Pictures (78)			0.0393	
45	Medical (80)			0.0393	
46	Misc. Prof. Services (81,87,89)			0.0393	
47	Education (82)			0.0393	
48	Non-profit (83,84,86)			0.0393	
49	Ag., Forestry and Fisheries Serv. (07-09)			0.0393	
		1493	1559	0.0442	GOVERNMENT
50	State & Local Government			0.0442	
51	Federal Government (Civilian)			0.0442	
52	Federal Government (Military)			0.0442	
53	Farm	NA	NA	0.0393	FARM ( <i>in services, assume same</i> )

Table 4. Worksheet for Lincoln County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR Category; Note
		1997	1998		
		30	20	-0.3333	MANUFACTURING
1	Lumber(24)			-0.3333	
2	Furniture(25)			-0.3333	
3	Stone,clay,etc.(32)			-0.3333	
4	Primary Metals(33)			-0.3333	
5	Fabricated Metals(34)			-0.3333	
6	Machinery & Computers(35)			-0.3333	
7	Electrical Equipment(36)			-0.3333	
8	Motor Vehicles (371)			-0.3333	
9	Rest of Transportation Equipment (r37)			-0.3333	
10	Instruments (38)			-0.3333	
11	Miscellaneous Manufacturing (39)			-0.3333	
12	Food(20)			-0.3333	
13	Tobacco Manufacturing (21)			-0.3333	
14	Textiles(22)			-0.3333	
15	Apparel(23)			-0.3333	
16	Paper(26)			-0.3333	
17	Printing(27)			-0.3333	
18	Chemicals(28)			-0.3333	
19	Petroleum Products (29)			-0.3333	
20	Rubber(30)			-0.3333	
21	Leather(31)			-0.3333	
22	Mining(10,12-14)	13	36	1.7692	MINING
23	Construction(15-17)			-0.3333	CONSTRUCTION
		34	34	0.0000	TRANS. COMM. & UTILITIES (TCU)
24	Railroad(40)			0.0000	Not covered, assume same as TCU
25	Trucking(42)			0.0000	
26	Local/interurban(41)			0.0000	
27	Air Transportation (45)			0.0000	
28	Other Transportation(44,46,47)			0.0000	
29	Communication(48)			0.0000	
30	Public Utilities(49)			0.0000	
		42	42	0.0000	FIN, INS. & REAL ESTATE
31	Banking(60)			0.0000	
32	Insurance(63,64)			0.0000	
33	Credit & Finance (61,62,67)			0.0000	
34	Real Estate(65)			0.0000	
		278	295	0.0612	WHOLESALE & RETAIL
35	Eating and drinking places (58)			0.0612	
36	Rest of retail (52-57,59)			0.0612	
37	Wholesale (50,51)			0.0612	
		472	447	-0.0530	SERVICE INDUSTRIES
38	Hotels(70)			-0.0530	
39	Personal Service and repair (72,76)			-0.0530	
40	Private Household Services (88)			-0.0530	Not covered, assume same as services
41	Auto Repair Services (75)			-0.0530	
42	Miscellaneous Business Services (73)			-0.0530	
43	Amusement & Recreation (79)			-0.0530	
44	Motion Pictures (78)			-0.0530	
45	Medical (80)			-0.0530	
46	Misc. Prof. Services (81,87,89)			-0.0530	
47	Education (82)			-0.0530	
48	Non-profit (83,84,86)			-0.0530	
49	Ag., Forestry and Fisheries Serv. (07-09)			-0.0530	
		594	612	0.0303	GOVERNMENT
50	State & Local Government			0.0303	
51	Federal Government (Civilian)			0.0303	
52	Federal Government (Military)			0.0303	
53	Farm	NA	NA	-0.0530	FARM (in services, assume same)

## 2.2. YMP and NTS Employment Adjustments

Historical changes since 1998 in DOE employment in Clark and Nye Counties are accounted for in the early years of the forecast, 1999 and 2000 (year 1998 changes are assumed incorporated through the DETR employment update discussed in Section 2.1. Yucca Mountain Site Characterization Project (YMP) and Nevada Test Site (NTS) employment through early 2000 is incorporated into the projection. No definitive projections of future employment at NTS or YMP were available. Therefore, no adjustments were made after 2000. In effect, the trends built into the REMI model are trusted to forecast future developments in the affected sectors. Employment changes with respect to the 1999 and 2000 employment enter the forecast as changes in the sectors shown in Tables 5 and 6.

Table 5. YMP Employment Changes After 1998

REMI Sector Description	Change in Clark Employment after 1998		Change in Nye Employment after 1998	
	1999	2000-2035	1999	2000-2035
Miscellaneous Professional Services	128	114	18	18
Federal Government Civilian	6	8	0	0
Miscellaneous Business Services	-3	-6	1	0

Source: DTN MO0106SPANTS50.003.

Table 6. NTS Employment Changes After 1998

REMI Sector Description	Change in Clark Employment after 1998		Change in Nye Employment after 1998	
	1999	2000-2035	1999	2000-2035
Miscellaneous Professional Services	32	101	-10	51
Federal Government Civilian	-19	-39	0	0
Miscellaneous Business Services	0	-2	19	129
Eating & Drinking Places	-1	0	0	0

Source: DOE 2000.

## 2.3 Hotel Sector Forecast For Clark and Nye Counties

During the past decade, Clark County has expanded its hotel sector substantially, adding thousands of new hotel rooms, peaking in 1999 with the addition of more than 10,000 new hotel rooms (Riddel and Schwer 1999, Table 3). Based on the assumptions in Riddel and Schwer 1999 (pp. 10-11), it is estimated that in 2000 and 2001 another 2828 and 2230 rooms, respectively, will be added (Riddel and Schwer 1999, Table 3). As discussed in Riddel and Schwer 1999 (pp. 8-10) it is estimated that each of these new Clark County rooms will create 1.6 jobs in the Clark County hotel sector. In turn, some older hotel rooms will be replaced by the new rooms. The net gain will be 85% of the new rooms (Riddel and Schwer 1999, p. 10). Increases in the hotel sector are determined in Table 7, and the cumulative increases for 1999 and following years are factored into the forecast. 1998 adjustments have already been made

through the DETR employment update. Because REMI already forecasts considerable annual growth in the hotel sector after 2001, no additional changes are made after 2001.

Table 7. Hotel Sector Employment Changes After 1998

Year	Local projection of new Hotel rooms	Number of new Hotel rooms in REMI control	Forecasts additional rooms in excess of REMI Control	Additional Hotel Jobs Assuming 1.6 Hotel Jobs per Room	Hotel Jobs from REMI Control (plus last year's adjusted model)	Total Hotel employment for adjusted model	Hotel jobs REMI DETR update	Number of Additional Hotel Jobs (cumulative)
1999	10,633	2,174	8,459	13,534	157,436	170,970	157,436	13,534
2000	2,828	1,982	846	1,353	174,142	175,495	160,132	15,363
2001	2,230	2,377	-147	-236	179,298	179,063	163,365	15,698
2002	2,230	1,976	254	406	182,225	182,631	166,053	16,578
2003	2,230	1,832	398	637	185,561	186,199	168,544	17,655
2004	2,230	2,160	70	112	189,655	189,767	171,482	18,285
2005	2,230	2,426	-196	-313	193,648	193,335	174,781	18,554
2006-2035	2,230	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	18,554

Notes: REMI projected hotel sector employment is the REMI control forecast adjusted by DETR employment (see Section 2.1).

### 2.3 Nye County Mine Employment Forecast

The Bullfrog mine in Nye County is expected to close by 2001. This is handled in the REMI baseline forecast as a decline in Mining Sector employment in Nye County after 1999 (Table 8). Employment in 1999 is determined by the NDETR employment update (Section 2.1). A change in the calculation of the FEIS baseline from that made for the DEIS baseline is to incorporate additional information on future mining employment gathered by Nye County (PIC 1998, pp. 11-12). This Nye County report stated that there was no information that indicated declines in other mines in Nye County for the foreseeable future. While the REMI model forecast is based upon national trends and upon an assumption of productivity increases leading to employment declines (constant output), to be consistent with the Nye County approach, this analysis will also maintain constant employment in the (metal) mining sector in Nye County after 2001 through 2010. After 2010, additional adjustments will not be made. Assumptions beyond that time would be very speculative. Table 8 shows the development of the adjustments that will account for the expected changes in mining employment.

Table 8. Mining Sector Employment Adjustments for Nye County.

Year	Col. A: Bullfrog Employment Estimate or Forecast (jobs)	Col. B: Change After 1998 due to loss of Bullfrog jobs	Col. C: Metal Mining Employment Forecast (Adjusted with DETR update)	Col. D: Metal Mining Employment Level – Nominal (Col. B plus Col C)	Col. E: Adjustment needed to maintain employment at 2001 level through 2010	Col. F: Total REMI Adjustment for Metal Mining Sector (Col. B plus Col E)
1995	312	NA	NA	NA	NA	NA
1996	320	NA	NA	NA	NA	NA
1997	286	NA	NA	NA	NA	NA
1998	281	NA	NA	NA	NA	NA
1999	100	-181	1,035	854	0	-181
2000	50	-231	1,024	709	0	-231
2001	0	-281	923	642	0	-281
2002	0	-281	894	613	29	-252
2003	0	-281	886	605	37	-244
2004	0	-281	883	602	40	-241
2005	0	-281	881	600	42	-239
2006	0	-281	892	611	31	-250
2007	0	-281	854	573	69	-212
2008	0	-281	816	535	107	-174
2009	0	-281	781	500	142	-139
2010	0	-281	749	468	174	-107
2011- 2035	0	-281	NA	NA	174	-107

Sources: Meyers, A., 1998; PIC 1998

## 2.4 Retiree Migration Rate Adjustments

Migration adjustments are based on a 1994 paper by the Management and Operating Contractor: The Development of Annual Net Migration Rates for Persons Aged 65 Years and Over by Single Years of Age and Gender for Nevada as well as the Counties of Clark, Lincoln, and Nye and the Remainder of the State (Carlson and Swanson 1994). As explained in the paper, migration rates were developed using the Forward Life Table Survival Method. The 1980 population was “survived” to 1990 with the unabridged 1980 life table for Nevada. Numbers of net migrants were obtained by subtracting the number of survivors in each age cohort in 1990 from the population of the same age as counted in the 1990 census. The migration rates and the cohort populations were multiplied together to get estimated net migration by cohort for 1990. Then, the migration flows were aggregated into 5-year intervals and divided by corresponding flows taken from the REMI unadjusted control forecast to arrive at adjustments for the 5-year intervals. The REMI model requires percent differences rather than straight multiplicative factors. The percent differences for 1990 were

used to adjust the migratory flows in the REMI forecasts for all years of the forecasts for Clark, Nye, and Lincoln Counties, and the Rest of Nevada (Table 9).

Table 9. Retiree Migration Adjustments

Region & Age Group	Male			Female		
	REMI 1990 Net Migration (persons)	M&O 1990 Net Migration (persons)	Relative Difference (M&O/REMI-1) (%)	REMI 1990 Net Migration (persons)	M&O 1990 Net Migration (persons)	Relative Difference (M&O/REMI-1) (%)
<b>CLARK</b>						
65-69	544	1019.32	87.38	673	840.30	24.86
70-74	412	527.91	28.13	556	437.29	-21.35
75-79	291	195.09	-32.96	452	198.81	-56.02
80-84	89	60.86	-31.62	166	120.58	-27.36
85-100+	55	48.70	-11.45	141	150.81	6.96
<b>NYE</b>						
65-69	5	64.50	1189.99	6	41.07	584.50
70-74	4	13.86	246.58	5	16.76	235.30
75-79	3	5.88	96.07	4	5.08	27.06
80-84	1	-1.47	-247.13	1	3.60	259.62
85-100+	0	-0.92	No Adjustment <sup>a</sup>	1	-0.21	-120.96
<b>LINCOLN</b>						
65-69	6	3.98	-33.65	7	2.00	-71.46
70-74	4	1.86	-53.39	6	0.05	-99.11
75-79	3	0.61	-79.79	5	-1.65	-132.93
80-84	-2	-0.30	-84.86	-2	-1.58	-21.21
85-100+	-1	-0.46	-53.53	-1	-0.79	-21.15
<b>REST OF NEVADA</b>						
65-69	131	149.19	13.88	161	110.42	-31.42
70-74	100	67.17	-32.83	134	42.01	-68.65
75-79	71	18.38	-74.12	110	20.78	-81.11
80-84	40	25.49	-36.28	74	36.41	-50.80
85-100+	25	400.36	No Adjustment <sup>b</sup>	63	-31.01	No Adjustment <sup>b</sup>

Source: Carlson and Swanson 1994.

<sup>a</sup>No adjustment can be calculated due to zero net migration according to the M&O cohort-component model.

<sup>b</sup>No adjustment is used because the Rest of Nevada figures in the original report were not adjusted for small-numbers problems and the unadjusted values for age 85 and over are questionable.

## 2.5 Transportation Infrastructure Investment in Clark County and Inclusion of a Disamenity Factor

The REMI model incorporates past spending on public infrastructure by state and local governments, and based on history incorporates some level of spending in its projections of future activity. However, it isn't possible for the model to predict increases in transportation and other infrastructure for major new projects, such as the upcoming plans in Clark County to expand the current fixed guide-way (monorail) system and to substantially increase the number of bus routes and busses. Therefore, these items are added to the baseline.



Expected expenditures for these transportation projects are “\$526.2 million between 2001 and 2005, \$961.5 million between 2006 and 2010, and \$961.5 million between 2011 and 2020” (Riddell and Schwer 1999, p. 11). As was done by UNLV (Riddell and Schwer 1999, p. 11), these expenditures are annualized and included in the REMI model as spending on local investment in transit utilities (policy variable T344). An assumption is made that only 30% of this expenditure is “new money” and that the other 70%, if not accounted for, would represent double counting. Therefore, an amount equal to 70% of the transportation expenditures is subtracted from state and local government spending (policy variable 179).

To match the Clark County population projections (Riddell and Schwer 1999), it is necessary to include a disamenity factor to account for increasing urban congestion, with deteriorating air quality and a shortage of public services. The UNLV-developed projections have incorporated this disamenity factor for a number of years. The size of the factor chosen has been based upon discussions between the UNLV users of the REMI model and staff at REMI in Massachusetts. The disamenity factor operates through the wage equation, essentially causing real wages to fall. A fall in real wages relative to other areas would make Clark County less attractive to employees, causing a reduced growth in economic migration and population. The value chosen for this adjustment is 0.033% of real wage in 2001, and it increases by .033% each year. Thus, the adjustment in 2002 and 2003 would be .066% and .099%, respectively. The adjustment would increase in .033% increments, reaching 1.156% in 2035. The disamenity factor is introduced through policy variable D11.

## **2.7 Population Adjustments**

Finally, after a simulation incorporating all the previous adjustments is made, the forward projections are trued up against population projections from the Nevada State Demographer’s Office, Nye County, and Clark County. This is accomplished through use of the economic migration policy variable to force the REMI population projection to match a target population. The identification of the appropriate value of the economic migration policy variables (for each area of the model) is determined through an iterative series of REMI runs, adjusting the variables until the results of the runs are very close to the target population. These target populations are determined as described in the following.

Clark County –

For the Final EIS, the REMI model is appropriately calibrated, as discussed above, to match a “target” population. The target population is the UNLV projection from 1999 to 2035 (Riddell and Schwer 1999, p. 3). This target population and anticipated annual growth rates are shown in Table 10.

Table 10. Clark County Target Population

Year	Clark County Target Population <sup>a</sup>	Clark County Annual Growth Rate
1999	1,321,319	
2000	1,383,335	4.7%
2001	1,439,676	4.1%
2002	1,492,042	3.6%
2003	1,541,672	3.3%
2004	1,588,948	3.1%
2005	1,633,915	2.8%
2006	1,676,664	2.6%
2007	1,717,754	2.5%
2008	1,758,073	2.3%
2009	1,797,813	2.3%
2010	1,836,859	2.2%
2011	1,875,303	2.1%
2012	1,912,657	2.0%
2013	1,948,520	1.9%
2014	1,983,110	1.8%
2015	2,016,609	1.7%
2016	2,049,222	1.6%
2017	2,081,161	1.6%
2018	2,112,495	1.5%
2019	2,143,363	1.5%
2020	2,173,843	1.4%
2021	2,204,335	1.4%
2022	2,234,949	1.4%
2023	2,265,645	1.4%
2024	2,296,565	1.4%
2025	2,327,761	1.4%
2026	2,359,412	1.4%
2027	2,391,782	1.4%
2028	2,424,865	1.4%
2029	2,458,529	1.4%
2030	2,492,684	1.4%
2031	2,527,356	1.4%
2032	2,562,716	1.4%
2033	2,598,678	1.4%
2034	2,635,016	1.4%
2035	2,667,217	1.2%

Source: Riddel and Schwer 1999 (Table 1)

## Nye County –

Nye County population estimates and projections have been made for Nye County by Planning Information Corporation (PIC) through 2008. A further estimate of the Nye County population for the fourth quarter of 1999 was made by the Nye County Planning Department (Williams 2000), an estimate which exceeded the PIC projections for 1998 and 1999 by 1,774 and 2,622 persons, respectively. Using this information, a simulation was run to approximate the PIC projections (PIC 1998, p. 15), and then 2,622 was added to each years totals after 1999 through 2008. Economic migration is held constant for years after 2008. The target numbers are shown in Table 11.

Table 11. Nye County Target Population

Year	Nye County Population Projection: PIC	Nye County Target Population <sup>a</sup>	Nye County Annual Growth Rate
1999	35,820	38,442	38,442
2000	37,990	40,661	40,661
2001	39,960	42,649	42,649
2002	41,820	44,482	44,482
2003	43,560	46,183	46,183
2004	45,220	47,808	47,808
2005	46,800	49,419	49,419
2006	48,310	50,960	50,960
2007	49,760	52,432	52,432
2008	51,160	53,867	53,867

Source: PIC 1998, p. 15

## Lincoln County -

Population projections for Lincoln County have been made by the State Demographer through 2018. These estimates, the year 2000 Census population, and the target populations are shown in Table 12. Economic migration will be varied (in an iterative approach) to match the Lincoln County population projections for a target population. Economic migration will be held constant for years after 2018.

Table 12. Lincoln County Target Population

Year	Lincoln County Target Population: State Demographer	Lincoln County Annual Growth Rate
1999	4,280	
2000	4,410	3.04%
2001	4,470	1.36%
2002	4,490	0.45%
2003	4,450	-0.89%
2004	4,440	-0.22%
2005	4,400	-0.90%
2006	4,390	-0.23%
2007	4,360	-0.68%
2008	4,380	0.46%
2009	4,400	0.46%
2010	4,430	0.68%
2011	4,440	0.23%
2012	4,460	0.45%
2013	4,480	0.45%
2014	4,490	0.22%
2015	4,510	0.45%
2016	4,540	0.67%
2017	4,560	0.44%
2018	4,580	0.44%

Source: Nevada Budget and Planning Division 1999.

### Rest of Nevada

Population projections for Nevada and all counties have been made by the State Demographer through 2018. The Rest of Nevada estimates are obtained by subtracting the State Demographer's projections for Clark, Nye, and Lincoln Counties from the projection for the state. Economic migration will be varied (in an iterative approach) to match the Rest of Nevada population projections for a target population. Economic migration will be held constant for years after 2018. These target populations and the annual growth rates are shown in Table 13.

Table 13. Rest of Nevada Target Population

<b>Year</b>	<b>Rest of Nevada Target Population: State Demographer</b>	<b>Rest of Nevada Annual Growth Rate</b>
1999	587,280	2.22%
2000	600,790	2.30%
2001	611,450	1.77%
2002	625,110	2.23%
2003	632,760	1.22%
2004	643,590	1.71%
2005	648,250	0.72%
2006	656,310	1.24%
2007	660,360	0.62%
2008	670,060	1.47%
2009	681,860	1.76%
2010	694,050	1.79%
2011	706,390	1.78%
2012	718,720	1.75%
2013	729,900	1.56%
2014	744,440	1.99%
2015	757,100	1.70%
2016	769,880	1.69%
2017	782,250	1.61%
2018	794,330	1.54%

Source: Nevada Budget and Planning Division 1999.

### 3. REFERENCES

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**REMI INPUT DOCUMENTATION REPORT NUMBER 2, Rev. 01  
SOCIOECONOMIC BASELINE FORECAST WITH CENSUS-ANCHORED  
POPULATION PROJECTIONS**

**1. SCOPE**

The Regional Economic Models, Inc. (REMI) model is equipped to provide a baseline forecast of economic and demographic conditions through 2035 with no input required from the user beyond simply telling the model to make the forecast. However, the user can produce an adjusted baseline forecast that takes account of any local or more recent knowledge the user might have about the region. This Documentation Report explains the basis of an adjusted baseline forecast of economic and demographic conditions on the assumption that the proposed Yucca Mountain Repository will not be built. The forecast serves as a baseline against which the changes induced by the project can be compared. Because the REMI model is based on nationally collected data for which there is a lag between collection and issuance by the national agencies, and another lag before the data is incorporated into the REMI model, there is a gap between the current year of 2001 and the last history year of approximately 2 to 3 years. The last history year for the current REMI model (Version 3.1) is 1998 and the REMI forecast extends from 1999 to 2035. This documentation report discusses methods used to bring the model more up to date through incorporation of state and local data for the period of 1999 to 2001. Information on expected Clark County transportation infrastructure expenditures through 2020 is also incorporated into the baseline.

Several changes have been made in the development of this baseline forecast since the Draft EIS. The primary impetus of the changes is to ensure that the baseline estimates of current population and forecasts of future population are very close to year 2000 population estimates provided by the United States (U.S.) Census Bureau. These estimates are the official Decennial 2000 Census totals for counties and states. In addition, the changes incorporate the population estimates and forecasts developed by or for county officials in Clark and Nye Counties. Because no locally produced estimates and projections are available for Lincoln County, population estimates and projections from the Nevada State Demographer's Office are incorporated into the population baseline. State Demographer's Office estimates are also incorporated into the population baseline for the Rest of Nevada.

This report takes advantage of recent analyses and collection of data in Clark (Riddel and Schwer 1999 and 2000) and Nye Counties (PIC 1998). These analyses used versions of the REMI model in their projections, and, as appropriate, that data is used in this report and in the development of the baseline.

## 2. BASIS OF THE SIMULATION

Economic and demographic forecasts extending decades into the future are necessarily highly uncertain, especially in a rapidly growing region such as southern Nevada. The primary drivers of the baseline forecast are the assumptions embodied within the REMI model coupled with REMI's U.S. forecast through 2035. For the historical years 1999 and 2000 and into the future, up-to-date local information was folded into the forecast in an effort to improve accuracy. In particular, adjustments were made for:

- (a) 1999 employment using comprehensive employment data from the State of Nevada Department of Employment, Training, and Rehabilitation (NDETR)
- (b) 1999 through 2000 employment by the U.S. Department of Energy (DOE) and its contractors in Clark and Nye Counties.
- (c) Expected increases in hotel-casino employment in Clark and Nye Counties through 2001 as a result of the openings or new hotel/casinos
- (d) Reduced Bullfrog mine employment in Nye County through 2001, and expected stability in mining employment at other mines
- (e) Finally, adjustments are made for estimates and projections of total population developed by the Nevada State Demographer's Office and by Clark and Nye Counties, modified to reflect the Decennial 2000 Census population estimates.

This documentation report explains the bases of the adjustments.

### *1999 Employment Update*

The REMI model that was used for the simulations under review has historical data through 1998. More recent employment data (for 1999) has been published by the Nevada Department of Employment Training and Rehabilitation (NDETR 2001a). The REMI model's "Employment Update" feature is specifically designed to accommodate new historical data provided by users. To obtain a 1999 employment estimate, REMI's employment update algorithm multiplies REMI's estimated employment for 1998 by the ratio of the NDETR employment in 1999 (NDETR 2001a) to that of 1998 (NDETR 2001b). Tables 1 through 4 present the employment data and assumptions. In Tables 1 and 2, the data in the columns labeled "1998" and "1999" is the exact REMI input. In Tables 3 and 4, the REMI input for each REMI sector is the data in the columns labeled "1998" and "1999" repeated as required to complete the NDETR sectors.



Due to the need to protect the anonymity of the data, the NDETR publishes employment data at a coarser level of categorization by economic sector for Lincoln and Nye counties than for Clark County and the state of Nevada as a whole. For this and other reasons, NDETR does not categorize its data into precisely the same 53 economic sectors used by the REMI model. Therefore, for Lincoln and Nye, it was frequently necessary to infer employment change in a number of REMI sectors from the employment change within a coarser NDETR sector. The assumption invoked for Lincoln and Nye was that the growth rate in the finer (REMI) sectors was equal to that in the coarser (NDETR) sectors. A different assumption, that there was no change from 1998 to 1999, was applied as occasionally required in Clark County and “Rest of Nevada” to economically trivial sectors (e.g., tobacco and apparel manufacturing), to federal and civilian government employment, which changed little, and to REMI sectors that are not covered by the NDETR data (i.e., private household services and railroad).

To estimate employment growth in the REMI region “Rest of Nevada,” which consists of Nevada less Clark, Lincoln, and Nye Counties, employment data for a nearly equivalent region, Nevada less Clark County, was derived from the NDETR data. Thus, the assumption is that, between 1998 and 1999, employment changes in Lincoln and Nye were small compared to employment changes in the remaining counties of Nevada (i.e., less Clark, Lincoln, and Nye).

Table 1. Worksheet for Clark County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1998	1999			
1	Lumber(24)	1570	1774	0.130	24	Lumber, Wood Products
2	Furniture(25)	347	397	0.144	25	Furniture
3	Stone,clay,etc.(32)	2375	2514	0.059	32	Stone, Clay, Glass
4	Primary Metals(33)	703	560	-0.203	33	Primary Metals
5	Fabricated Metals(34)	1327	1316	-0.008	34	Fabricated Metals
6	Machinery & Computers(35)	822	812	-0.012	35	Machinery exc. Elect.
7	Electrical Equipment(36)	1080	1036	-0.041	36	Electrical Equipment
8	Motor Vehicles (371)	1	1	0.000	NA	Trivial, assume no change
9	Rest of Transportation Equipment (r37)	1	1	0.000	NA	Trivial, assume no change
10	Instruments (38)	422	475	0.126	38	Prof., Optical Goods
11	Miscellaneous Manufacturing (39)	1954	2384	0.220	39	Miscellaneous Manufacturing
12	Food(20)	2137	2020	-0.055	20	Food Products
13	Tobacco Manufacturing (21)	1	1	0.000	NA	Trivial, assume no change
14	Textiles(22)	664	690	0.039	23	Apparel and Textiles
15	Apparel(23)	1	1	0.000	NA	Trivial, assume no change
16	Paper(26)	1	1	0.000	NA	Trivial, assume no change
17	Printing(27)	3140	2996	-0.046	27	Printing, Publishing
18	Chemicals(28)	822	815	-0.009	28	Chemical Products
19	Petroleum Products (29)	1	1	0.000	NA	Trivial, assume no change
20	Rubber(30)	1411	1470	0.042	30	Rubber, Plastic Products
21	Leather(31)	1	1	0.000	NA	Trivial, assume no change
22	Mining(10,12-14)	695	678	-0.024	10, 12-14	MINING
23	Construction(15-17)	65202	66273	0.016	15-17	CONSTRUCTION
24	Railroad(40)	1	1	0.000	NA	Not Covered, assume no change
25	Trucking(42)	3779	4136	0.094	42	Freight, Warehousing
26	Local/interurban(41)	7681	8446	0.100	41	Local, Suburban Trans
27	Air Transportation (45)	5983	6583	0.100	45	Air Transportation
28	Other Transportation(44,46,47)	2830	3263	0.153	NA	All Other Transportation
29	Communication(48)	6697	8517	0.272	48	Communications
30	Public Utilities(49)	5360	4986	-0.070	49	Electric, Gas
31	Banking(60)	8038	8732	0.086	60	Banking
32	Insurance(63,64)	6160	7252	0.177	Sum	
33	Credit & Finance (61,62,67)	5189	5517	0.063	Sum	
34	Real Estate(65)	11646	10620	-0.088	65	Real Estate
35	Eating and drinking places (58)	38674	44234	0.144	58	Eating & Drinking
36	Rest of retail (52-57,59)	67089	70915	0.057	Sum	
37	Wholesale (50,51)	20306	21165	0.042	Sum	
38	Hotels(70)	148060	166229	0.123	70	Hotels, Motels
39	Personal Service and repair (72,76)	8794	9836	0.118	Sum	
40	Private Household Services (88)	1	1	0.000	NA	Not Covered, assume no change
41	Auto Repair Services (75)	5824	6215	0.067	75	Automobile Repair
42	Miscellaneous Business Services (73)	35750	39814	0.114	73	Business Services
43	Amusement & Recreation (79)	16282	16495	0.013	79	Amusement & Recreation
44	Motion Pictures (78)	2029	2430	0.198	78	Motion Pictures
45	Medical (80)	28515	30276	0.062	80	Medical & Health

Table 2. Worksheet for Clark County Employment Update (Continued)

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1998	1999			
46	Misc. Prof. Services (81,87,89)	16824	17337	0.030	Sum	
47	Education (82)	1550	1750	0.129	82	Educational Services
48	Non-profit (83,84,86)	7690	7916	0.029	Sum	
49	Ag., Forestry and Fisheries Serv. (07-09)	5869	6363	0.084	01-09	AG, FOREST, FISHING
50	State & Local Government	54408	57407	0.055	Sum	
51	Federal Government (Civilian)	1	1	0.000	NA	<i>Little change, assume no change</i>
52	Federal Government (Military)	1	1	0.000	NA	<i>Little change, assume no change</i>
53	Farm	1	1	0.000	NA	<i>Trivial, assume no change</i>

<sup>a</sup>The proxy value "1" appears where no NDETR figure is available. An assumption of no change is invoked by placing the same proxy value in both the 1998 and 1999 columns.

<sup>b</sup>"NA" indicates that no NDETR estimate is available; "Sum" indicates that the REMI category is the union of a number of NDETR categories, for which the figures have been added together.

Table 3. Worksheet for "Rest of Nevada" Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1998	1999			
1	Lumber(24)	1,963	2,186	0.114	24	Lumber, Wood Products
2	Furniture(25)	881	978	0.110	25	Furniture
3	Stone,clay,etc.(32)	3,463	3,579	0.033	32	Stone, Clay, Glass
4	Primary Metals(33)	1,417	1,182	-0.166	33	Primary Metals
5	Fabricated Metals(34)	4,271	4,196	-0.018	34	Fabricated Metals
6	Machinery & Computers(35)	2,991	2,822	-0.057	35	Machinery exc. Elect.
7	Electrical Equipment(36)	2,661	2,440	-0.083	36	Electrical Equipment
8	Motor Vehicles (371)	1	1	0.000	NA	<i>Trivial, assume no change</i>
9	Rest of Transportation Equipment (r37)	1	1	0.000	NA	<i>Trivial, assume no change</i>
10	Instruments (38)	2,683	2,705	0.008	38	Prof., Optical Goods
11	Miscellaneous Manufacturing (39)	4,739	5,225	0.103	39	Miscellaneous Manufacturing
12	Food(20)	3,449	3,479	0.009	20	Food Products
13	Tobacco Manufacturing (21)	1	1	0.000	NA	<i>Trivial, assume no change</i>
14	Textiles(22)	1,110	1,138	0.025	23	Apparel and Textiles
15	Apparel(23)	1	1	0.000	NA	<i>Trivial, assume no change</i>
16	Paper(26)	1	1	0.000	NA	<i>Trivial, assume no change</i>
17	Printing(27)	5,844	5,730	-0.020	27	Printing, Publishing
18	Chemicals(28)	1,247	1,286	0.031	28	Chemical Products
19	Petroleum Products (29)	1	1	0.000	NA	<i>Trivial, assume no change</i>
20	Rubber(30)	3,395	3,554	0.047	30	Rubber, Plastic Products
21	Leather(31)	1	1	0.000	NA	<i>Trivial, assume no change</i>
22	Mining(10,12-14)	13,236	11,923	-0.099	10, 12-14	MINING
23	Construction(15-17)	86,517	88,688	0.025	15-17	CONSTRUCTION
24	Railroad(40)	1	1	0.000	NA	<i>Not Covered, assume no change</i>
25	Trucking(42)	7,949	8,441	0.062	42	Freight, Warehousing
26	Local/interurban(41)	8,748	9,585	0.096	41	Local, Suburban Trans

Table 4. Worksheet for “Rest of Nevada” Employment Update (Continued)

REMI No.	REMI Category (SIC code)	NDETR Employment <sup>a</sup>		Growth Rate	NDETR No. <sup>b</sup>	NDETR Category; Note
		1998	1999			
27	Air Transportation (45)	9,743	10,347	0.062	45	Air Transportation
28	Other Transportation(44,46,47)	3,466	3,885	0.121	NA	All Other Transportation
29	Communication(48)	9,674	11,588	0.198	48	Communications
30	Public Utilities(49)	7,974	7,575	-0.050	49	Electric, Gas
31	Banking(60)	10,720	11,330	0.057	60	Banking
32	Insurance(63,64)	9,304	10,474	0.126	Sum	
33	Credit & Finance (61,62,67)	7,208	7,742	0.074	Sum	
34	Real Estate(65)	16,120	14,604	-0.094	65	Real Estate
35	Eating and drinking places (58)	53,367	59,338	0.112	58	Eating & Drinking
36	Rest of retail (52-57,59)	99,213	104,974	0.058	Sum	
37	Wholesale (50,51)	36,847	37,356	0.014	Sum	
38	Hotels(70)	191,240	210,135	0.099	70	Hotels, Motels
39	Personal Service and repair (72,76)	12,434	13,251	0.066	Sum	
40	Private Household Services (88)	1	1	0.000		<i>Not Covered, assume no change</i>
41	Auto Repair Services (75)	9,250	9,721	0.051	75	Automobile Repair
42	Miscellaneous Business Services (73)	50,512	56,403	0.117	73	Business Services
43	Amusement & Recreation (79)	26,834	26,393	-0.016	79	Amusement & Recreation
44	Motion Pictures (78)	2,871	3,270	0.139	78	Motion Pictures
45	Medical (80)	43,859	46,996	0.072	80	Medical & Health
46	Misc. Professional Services (81,87,89)	28,015	28,480	0.017	Sum	
47	Education (82)	2,419	2,685	0.110	82	Educational Services
48	Non-profit(83,84,86)	13,512	13,924	0.030	Sum	
49	Ag., Forestry and Fisheries Services (07-09)	9,585	10,078	0.051	01-09	AG, FOREST, FISHING
50	State & Local Government	95,419	98,547	0.033	Sum	
51	Federal Government (Civilian)	1	1	0.000	NA	<i>Little change, assume no change</i>
52	Federal Government (Military)	1	1	0.000	NA	<i>Little change, assume no change</i>
53	Farm	1	1	0.000	NA	<i>Trivial, assume no change</i>

<sup>a</sup>The proxy value “1” appears where no NDETR figure is available. An assumption of no change is invoked by placing the same proxy value in both the 1998 and 1999 columns.

<sup>b</sup>“NA” indicates that no NDETR estimate is available; “Sum” indicates that the REMI category is the union of a number of NDETR categories.

Table 5. Worksheet for Nye County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment		Growth Rate	NDETR Category; Note
		1998	1999		
		201	250	0.2438	MANUFACTURING
1	Lumber(24)			0.2438	
2	Furniture(25)			0.2438	
3	Stone,clay,etc.(32)			0.2438	
4	Primary Metals(33)			0.2438	
5	Fabricated Metals(34)			0.2438	
6	Machinery & Computers(35)			0.2438	
7	Electrical Equipment(36)			0.2438	
8	Motor Vehicles (371)			0.2438	
9	Rest of Transportation Equipment (r37)			0.2438	
10	Instruments (38)			0.2438	
11	Miscellaneous Manufacturing (39)			0.2438	
12	Food(20)			0.2438	
13	Tobacco Manufacturing (21)			0.2438	
14	Textiles(22)			0.2438	
15	Apparel(23)			0.2438	
16	Paper(26)			0.2438	
17	Printing(27)			0.2438	
18	Chemicals(28)			0.2438	
19	Petroleum Products (29)			0.2438	
20	Rubber(30)			0.2438	
21	Leather(31)			0.2438	
22	Mining(10,12-14)	1363	1202	-0.1007	MINING
23	Construction(15-17)	548	487	0.1088	CONSTRUCTION
		240	260	0.1192	TRANS. COMM. & UTILITIES (TCU)
24	Railroad(40)			0.1192	<i>Not covered, assume same as TCU</i>
25	Trucking(42)			0.1192	
26	Local/interurban(41)			0.1192	
27	Air Transportation (45)			0.1192	
28	Other Transportation(44,46,47)			0.1192	
29	Communication(48)			0.1192	
30	Public Utilities(49)			0.1192	
		176	186	-0.0108	FIN, INS. & REAL ESTATE
31	Banking(60)			-0.0108	
32	Insurance(63,64)			-0.0108	
33	Credit & Finance (61,62,67)			-0.0108	
34	Real Estate(65)			-0.0108	
		1117	1176	0.0680	WHOLESALE & RETAIL
35	Eating and drinking places (58)			0.0680	
36	Rest of retail (52-57,59)			0.0680	
37	Wholesale (50,51)			0.0680	
		3538	3677	0.1123	SERVICE INDUSTRIES
38	Hotels(70)			0.1123	
39	Personal Service and repair (72,76)			0.1123	
40	Private Household Services (88)			0.1123	<i>Not covered, assume same as services</i>

Table 6. Worksheet for Nye County Employment Update (Continued)

REMI No.	REMI Category (SIC code)	NDETR Employment		Growth Rate	NDETR Category; Note
		1998	1999		
41	Auto Repair Services (75)			0.1123	
42	Miscellaneous Business Services (73)			0.1123	
43	Amusement & Recreation (79)			0.1123	
44	Motion Pictures (78)			0.1123	
45	Medical (80)			0.1123	
46	Misc. Professional Services (81,87,89)			0.1123	
47	Education (82)			0.1123	
48	Non-profit(83,84,86)			0.1123	
49	Ag., Forestry and Fisheries Services (07-09)			0.1123	
		1493	1559	0.0257	GOVERNMENT
50	State & Local Government			0.0257	
51	Federal Government (Civilian)			0.0257	
52	Federal Government (Military)			0.0257	
53	Farm	NA	NA	0.1123	FARM (in services, assume same)

Table 7. Worksheet for Lincoln County Employment Update

REMI No.	REMI Category (SIC code)	NDETR Employment		Growth Rate	NDETR Category; Note
		1998	1999		
		20	22	0.1000	MANUFACTURING, CONST., ETC.
1	Lumber(24)			0.1000	
2	Furniture(25)			0.1000	
3	Stone,clay,etc.(32)			0.1000	
4	Primary Metals(33)			0.1000	
5	Fabricated Metals(34)			0.1000	
6	Machinery & Computers(35)			0.1000	
7	Electrical Equipment(36)			0.1000	
8	Motor Vehicles (371)			0.1000	
9	Rest of Transportation Equipment (r37)			0.1000	
10	Instruments (38)			0.1000	
11	Miscellaneous Manufacturing (39)			0.1000	
12	Food(20)			0.1000	
13	Tobacco Manufacturing (21)			0.1000	
14	Textiles(22)			0.1000	
15	Apparel(23)			0.1000	
16	Paper(26)			0.1000	
17	Printing(27)			0.1000	
18	Chemicals(28)			0.1000	
19	Petroleum Products (29)			0.1000	
20	Rubber(30)			0.1000	
21	Leather(31)			0.1000	
22	Mining(10,12-14)	36	29	0.8056	MINING
23	Construction(15-17)			0.1000	With MANUF., ETC.
		34	36	0.0588	TRANS. COMM. & UTILITIES (TCU)
24	Railroad(40)			0.0588	Not covered, assume same as TCU
25	Trucking(42)			0.0588	
26	Local/interurban(41)			0.0588	
27	Air Transportation (45)			0.0588	
28	Other Transportation(44,46,47)			0.0588	

Table 8. Worksheet for Lincoln County Employment Update (Continued)

REMI No.	REMI Category (SIC code)	NDETR Employment		Growth Rate	NDETR Category; Note
		1998	1999		
29	Communication(48)			0.0588	
30	Public Utilities(49)			0.0588	
		42	46	0.0952	FIN, INS. & REAL ESTATE
31	Banking(60)			0.0952	
32	Insurance(63,64)			0.0952	
33	Credit & Finance (61,62,67)			0.0952	
34	Real Estate(65)			0.0952	
		295	248	-0.1593	WHOLESALE & RETAIL
35	Eating and drinking places (58)			-0.1593	
36	Rest of retail (52-57,59)			-0.1593	
37	Wholesale (50,51)			-0.1593	
		447	420	-0.0604	SERVICE INDUSTRIES
38	Hotels(70)			-0.0604	
39	Personal Service and repair (72,76)			-0.0604	
40	Private Household Services (88)			-0.0604	Not covered, assume same as services
41	Auto Repair Services (75)			-0.0604	
42	Miscellaneous Business Services (73)			-0.0604	
43	Amusement & Recreation (79)			-0.0604	
44	Motion Pictures (78)			-0.0604	
45	Medical (80)			-0.0604	
46	Misc. Professional Services (81,87,89)			-0.0604	
47	Education (82)			-0.0604	
48	Non-profit(83,84,86)			-0.0604	
49	Ag., Forestry and Fisheries Services (07-09)			-0.0604	
		612	593	-0.0310	GOVERNMENT
50	State & Local Government			-0.0310	
51	Federal Government (Civilian)			-0.0310	
52	Federal Government (Military)			-0.0310	
53	Farm	NA	NA	-0.0604	FARM (in services, assume same)

### ***YMP and NTS Employment Adjustments***

Historical changes since 1999 in DOE employment in Clark and Nye Counties are accounted for in the year 2000 of the forecast (year 1999 changes are assumed incorporated through the NDETR employment update discussed in Section 2.1. Yucca Mountain Site Characterization Project (YMP) and Nevada Test Site (NTS) employment through December 2000 is incorporated into the projection. No definitive projections of future employment at NTS or YMP were available. Therefore, no adjustments were made after 2000. In effect, the trends built into the REMI model are trusted to forecast future developments in the affected sectors. Employment changes with respect to the average 2000 employment enter the forecast as changes in the sectors shown in Table 5 and Table 6.

Table 9. YMP Employment Changes After 1999

REMI Sector Description	Change in Clark Employment 2000-2035	Change in Nye Employment 2000-2035
Miscellaneous Professional Services	47	9
Federal Government Civilian	3	0
Miscellaneous Business Services	-1	1

Source: DTN:TBD NTS-YMP emp 95-00.xls

Table 10. NTS Employment Changes After 1999

REMI Sector Description	Change in Clark Employment 2000-2035	Change in Nye Employment 2000-2035
Miscellaneous Professional Services	68	12
Federal Government Civilian	-22	-6
Miscellaneous Business Services	-1	4
Eating & Drinking Places	-1	0

Source: DTN:TBD NTS-YMP emp 95-00.xls

***Hotel Sector Forecast For Clark and Nye Counties***

During the past decade, Clark County has expanded its hotel sector substantially, adding thousands of new hotel rooms, peaking in 1999 with the addition of more than 10,000 new hotel rooms (Riddel and Schwer 1999, Table 3). In 2000, 4219 new rooms were added (LVCVA 2000). Based on the assumptions in Riddel and Schwer 1999 (pp. 10-11), it is estimated that in 2001 another 2230 rooms will be added (Riddel and Schwer 1999, Table 3). As discussed in Riddel and Schwer 1999 (p. 8) it is estimated that these new Clark County rooms will create 1.6 jobs in the Clark County hotel sector. In turn, some older hotel rooms will be replaced by the new rooms. The net gain will be 85% of the new rooms (Riddel and Schwer 1999, p. 10). In Nye County, it is estimated that each new room will create 1.7 jobs (PIC 1998, p. 10). Increases in the hotel sector are determined in Table 7, and the 2000 and 2001 cumulative increases are factored into the forecast. 1999 adjustments have already been made through the NDETR employment update. Because REMI already forecasts considerable annual growth in the hotel sector after 2001, no additional changes are made after 2001.



Table 7. Hotel Sector Employment Changes After 1999

	Clark County		Nye County	
	2000	2001-2035	2000	2001-2035
<sup>a</sup> REMI projected hotel employment growth from previous year	3694	3,268	29	36
<sup>b</sup> Divisor: 85% of 1.6 jobs per room	1.36	1.36	1.7	1.7
Calculated growth in hotel rooms	2716	2403	17	21
Locally-estimated growth of new hotel rooms	4219	2230	0	61
Difference: Local estimate less REMI projection	1503	-173	Not Applicable	40
Multiplier: 1.6 hotel sector jobs per hotel room	1.6	1.6	1.7	1.7
Annual hotel sector employment increase over REMI baseline	2405	-277	0	68
Cumulative Employment Change	2405	2128	0	68

Sources: Riddel and Schwer 1999, pp. 10-11; PIC 1998, p. 10; McMurdo 2001.

Notes:

a REMI projected hotel sector employment is the REMI control forecast adjusted by NDETR employment (see Section 2.1).

b In Clark County, the ratio of rooms to jobs is 1.6. Allowance is also made for rooms that are replaced or eliminated (approximately 15%).  $85\% \text{ of } 1.6 = 1.36$

In Nye County, the estimated ratio of rooms to jobs is 1.7 (PIC 1998, p. 10)

***Nye County Mine Employment Forecast***

The Bullfrog mine in Nye County is expected to close by 2001. This is handled in the REMI baseline forecast as a decline in Mining Sector employment in Nye County after 1999 (Table 8). Employment in 1999 is determined by the NDETR employment update (Section 0). A change in the FEIS baseline from the DEIS baseline is to incorporate additional information on future mining employment gathered by Nye County (PIC 1998, pp. 11-12). This Nye County report stated that there was no information that indicated declines in other mines in Nye County for the foreseeable future. While the REMI model forecast is based upon national trends and upon an assumption of productivity increases leading to employment declines (constant output), to be consistent with the Nye County approach, this analysis will also maintain constant employment in the (metal) mining sector in Nye County after 2001 through 2010. After 2010, additional adjustments will not be made. Assumptions beyond

that time would be very speculative. Table 7 shows the development of the adjustments that will account for the expected changes in mining employment.

Table 8. Expected Decline in Employment Due to Closure of the Bullfrog Mine.

Year	Col. A: Bullfrog Employment Estimate or Forecast (jobs)	Col. B: Change After 1999 due to loss of Bullfrog jobs	Col. C: Metal Mining Employment Forecast (Adjusted with NDETR update)	Col. D: Metal Mining Employment Level – Nominal (Col. B plus Col C)	Col. E: Adjustment needed to maintain employment at 2001 level through 2010	Col. F: Total REMI Adjustment for Metal Mining Sector (Col. B plus Col E)
1995	312	NA	NA	NA	NA	NA
1996	320	NA	NA	NA	NA	NA
1997	286	NA	NA	NA	NA	NA
1998	281	NA	NA	NA	NA	NA
1999	100	0	1,035	1,035	NA	NA
2000	50	-50	1,024	974	0	-50
2001	0	-100	923	853	0	-100
2002	0	-100	894	810	43	-57
2003	0	-100	886	778	75	-25
2004	0	-100	883	752	101	1
2005	0	-100	881	732	121	21
2006	0	-100	892	715	138	38
2007	0	-100	854	701	152	52
2008	0	-100	816	691	162	62
2009	0	-100	781	662	191	91
2010	0	-100	749	639	214	114
2011- 2035	0	-100	NA	NA	214	114

Sources: Meyers, A., 1998; PIC 1998.

### Retiree Migration Rate Adjustments

In the Draft EIS, an adjustment was made to the migration rate for retirees, keyed to the 1990 Decennial Census. Because this report is anchored at the 2000 Decennial Census (see Section 2.7), the retirement migration adjustment is not required.

### Transportation Infrastructure Investment in Clark County and Disamenity Factor for Increases in Urban Congestion and Other Factors

The REMI model incorporates past spending on public infrastructure by state and local governments, and based on history incorporates some level of spending in its projections of

future activity. However, it isn't possible for the model to predict increases in transportation and other infrastructure for major new projects, such as the upcoming plans in Clark County to expand the current fixed guide-way (monorail) system and to substantially increase the number of bus routes and busses. Therefore, these items are added to the baseline.

Expected expenditures for these transportation projects are “\$526.2 million between 2001 and 2005, \$961.5 million between 2006 and 2010, and \$961.5 million between 2011 and 2020” (Riddell and Schwer 2000, p. 14). As was done for Clark County by the modelers at the University of Nevada Las Vegas (UNLV), Center for Business and Economic Research, these expenditures are annualized and included in the REMI model as spending on local investment in transit utilities (policy variable T344). An assumption is made that only 30% of this expenditure is “new money” and that the other 70%, if not accounted for, would represent double counting. Therefore, an amount equal to 70% of the transportation expenditures is subtracted from state and local government spending (policy variable 179).

To match the Clark County population projections (Riddel and Schwer 1999, 2000), following the methodology used by UNLV, it is necessary to include a disamenity factor to account for increasing urban congestion, with consequent deteriorating air quality and a shortage of public services. (Riddel and Schwer 2000, pp. 12-14) The UNLV-developed projections have incorporated this disamenity factor for a number of years. The size of the factor chosen has been based upon discussions between the UNLV users of the REMI model and staff at REMI in Massachusetts. The disamenity factor operates through the wage equation, essentially causing real wages to fall. A fall in real wages relative to other areas would make Clark County less attractive to employees, causing a reduced growth in economic migration and population. The value chosen for this adjustment is 0.033% of real wage in 2001, and it increases by .033% each year. Thus, the adjustment in 2002 and 2003 would be .066% and .099%, respectively. The adjustment would increase in 0.033% increments, reaching 1.156% in 2035. The disamenity factor is introduced through policy variable D11.

### ***Population Adjustments for Census Data***

Finally, a simulation incorporating all the previous adjustments is made. Then, the analysis is anchored in the year 2000 using Decennial Census data from the U.S. Bureau of the Census. The forward projections are trued up against population projections from the Nevada State Demographer's Office, Nye County, and Clark County. This is accomplished changing the economic migration policy variable to force the REMI population projection to match a target population. These target populations are determined as described in the following.

*Clark County -*

The REMI model is appropriately calibrated, as discussed above, to match a “target” population. The target population is developed by taking the UNLV projections from 1999 to 2035 and subtracting 52,925 from each year. This is the year 2000 difference between the UNLV projection of 1,428,690 (Riddel and Schwer 2000) and the Census Bureau count of 1,375,765 (Census Bureau 2001). The UNLV projections for Clark County, the year 2000 Census Bureau count, and the target population are shown in Table 9.

Table 9. Clark County Target Population

Year	Clark County Population: UNLV	Clark County Population: Census	Clark County Target Population <sup>a</sup>
1999	1,321,319		1,268,394
2000	1,428,690	1,375,765	1,375,765
2001	1,502,482		1,449,557
2002	1,569,388		1,516,463
2003	1,630,750		1,577,825
2004	1,686,765		1,633,840
2005	1,738,111		1,685,186
2006	1,784,877		1,731,952
2007	1,828,190		1,775,265
2008	1,869,039		1,816,114
2009	1,908,106		1,855,181
2010	1,945,409		1,892,484
2011	1,982,234		1,929,309
2012	2,018,531		1,965,606
2013	2,053,728		2,000,803
2014	2,087,862		2,034,937
2015	2,120,940		2,068,015
2016	2,153,086		2,100,161
2017	2,184,525		2,131,600
2018	2,215,363		2,162,438
2019	2,245,799		2,192,874
2020	2,276,021		2,223,096
2021	2,306,290		2,253,365
2022	2,336,928		2,284,003
2023	2,367,929		2,315,004
2024	2,399,362		2,346,437
2025	2,431,324		2,378,399
2026	2,464,004		2,411,079
2027	2,497,679		2,444,754
2028	2,532,294		2,479,369
2029	2,567,720		2,514,795
2030	2,603,885		2,550,960
2031	2,640,814		2,587,889
2032	2,678,712		2,625,787
2033	2,717,495		2,664,570
2034	2,756,895		2,703,970
2035	2,796,596		2,743,671

<sup>a</sup> Calculated as “Clark County Population: UNLV” less 52,925.

Sources: Riddel and Schwer 2000 and Census Bureau 2001

## Nye County -

Nye County population estimates and projections have been made for Nye County by Planning Information Corporation (PIC) through 2008. These estimates, year 2000 Census population, and the target population, are shown in Table 10. As is seen however, the projections are made only until 2008 by PIC. The target population is determined by subtracting 5,505 from the PIC projections (PIC 1998). 5,505 is the difference between the Census 2000 population and the PIC projection for the year 2000. To maintain a rate of population growth that is less than recent years, yet quite high by national standards, the economic migration variable is allowed to increase by 4% each year after 2008. This maintains an annual rate of population growth of approximately 1.75% in the later years of the simulation. As a result, the Nye County rate of growth will exceed the Clark County rate of growth by approximately 0.5% annually over the period 2009 through 2035.

Table 10. Nye County Target Population

Year	Nye County Population: PIC	Nye County Population: Census	Nye County Target Population <sup>a</sup>
1999	35,820		30,315
2000	37,990	32,485	32,485
2001	39,960		34,455
2002	41,820		36,315
2003	43,560		38,055
2004	45,220		39,715
2005	46,800		41,295
2006	48,310		42,805
2007	49,760		44,255
2008	51,160		45,655

<sup>a</sup> Calculated as "Nye County Population: PIC" less 5,505

Sources: PIC 1998 and Census Bureau 2001

## Lincoln County -

Population projections for Lincoln County have been made by the State Demographer through 2010 (Nevada State Demographer's Office 2000). These estimates, the year 2000 Census population, and the target populations are shown in Table 11. Target populations are calculated as the State Demographer estimates less 88 persons, the difference between the State Demographer's estimate for 2000 and the Census count for that year. Economic migration will be varied (in an iterative approach) to match the Lincoln County population projections for a target population. Economic migration is held constant for years after 2010.

Table 11. Lincoln County Target Population

Year	Lincoln County Population: State Demographer	Lincoln County Population: Census	Lincoln County Target Population <sup>a</sup>
1999	4,250		4,162
2000	4,253	4,165	4,165
2001	4,255		4,167
2002	4,258		4,170
2003	4,261		4,173
2004	4,264		4,176
2005	4,266		4,178
2006	4,269		4,181
2007	4,272		4,184
2008	4,274		4,186
2009	4,277		4,189
2010	4,280		4,192

<sup>a</sup> Calculated as "Lincoln County Population: State Demographer" less 88

Sources: Nevada State Demographer's Office 2000 and Census Bureau 2001

Rest of Nevada -

Population projections for Nevada and all counties have been made by the State Demographer through 2010 (Nevada State Demographer's Office 2000). The Rest of Nevada estimates are obtained by subtracting the State Demographer's projections for Clark, Nye, and Lincoln Counties from the projection for the state. Target populations are calculated as the State Demographer estimates less 14,518 persons, the difference between the State Demographer's estimate for 2000 and the Census count for that year. Economic migration is varied (in an iterative approach) to match the Rest of Nevada population projections for a target population. Economic migration is held constant for years after 2010. These estimates, the year 2000 Census population (Nevada population less the three counties in the region of influence), and the target populations are shown in Table 12.

Table 12. Rest of Nevada Target Population

Year	Rest of Nevada Population: State Demographer	Rest of Nevada Population: Census	Rest of Nevada Target Population <sup>a</sup>
1999	586,310		571,792
2000	600,360	585,842	585,842
2001	613,750		599,232
2002	630,770		616,252
2003	643,643		629,125
2004	655,922		641,404
2005	666,560		652,042
2006	676,966		662,448
2007	687,430		672,912
2008	696,619		682,101
2009	707,849		693,331
2010	720,886		706,368

<sup>a</sup> Calculated as "Rest of Nevada Population: State Demographer" less 14,518

Sources: Nevada State Demographer's Office 2000 and Census Bureau 2001.

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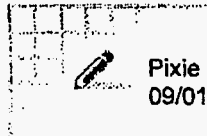
Riddel, Mary and Schwer, Keith 1999, "Clark County Nevada Population Forecast: 1999-2035. December 29. Las Vegas, Nevada. The Center for Business and Economic Research, University of Nevada, Las Vegas. TIC: 246859.



Riddel, Mary and Schwer, R. Keith 2000. "Clark County, Nevada Population Forecast: 2001-2035." Las Vegas, Nevada: University of Nevada Las Vegas, Center for Business and Economic Research. TIC: 249812

## **ATTACHMENT C**

### **REMI Input Assumptions Based on Attached Email**



Pixie Baxter  
09/01/2000 09:14 AM

To: Ralph Best/YD/RWDOE@CRWMS, John von Reis/YD/RWDOE@CRWMS  
cc: William Craig/YD/RWDOE@CRWMS, John Bland/YM/RWDOE@CRWMS

Subject: Assumptions Used in the revised employment figures for the Yucca Mountain Rail construction and Heavy Haul Scenarios

**Federal Record Status Not Determined**

The assumptions used to develop the revised employment figures and resulting secondary data were based on these assumptions:

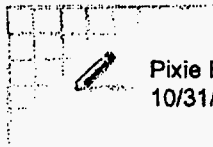
- The budget for the construction phase has not been amended
- The construction period and the cost of the NTS Road remain constant
- The expansion of the construction period follows the initial loading or ramping rationale; if an initial 30 month construction period was loaded at 40% year 1, 40% year 2, and 20% year 3 is expanded to a 40 month period, it was loaded at 30% years 1, 2, 3 and 10% year 4. If the initial loading for a 30 month project was 20% year 1 and 40% years 2 and 3, then an expanded period of 40 months was loaded at 10% year 1, and 30% years 2, 3, and 4
- No adjustments were made to A & E expenditures (dollars or time frame)
- Total worker hours for the project were held constant. As the duration for the construction phases were expanded, workers employed per year dropped
- As was the initial case, estimated worker hours/FTE do not include contingencies
- Formulas that rounded construction periods to whole years were reprogrammed to reflect partial year periods of construction in the rail scenarios, and were pro rated in the heavy haul options (Road Upgrade & Maint. worksheets)
- Changes were made only in the "Calcs and Supporting Data" and the "Road Upgrades & Maint" worksheets in the individual workbooks of each heavy haul option
- Changes were made only in the "RR Construc" worksheets of the railroad alternatives
- Changes I made are highlighted in pink
- The initial formulas used in cells S19, S20, T19, and T20, Road Upgrade & Maint worksheet, Jean/Sloan HH folder, appear to inadvertently include a "0" at the formula start i.e. =0\*50\*\$18\*5\*50. The formula, used to calculate marginal dollars per county resulting from workers' spending of per diems, results in zero dollars spent. These cells are not part of the chart intentionally "zeroed" out to avoid double counting. The formula was rewritten to exclude the "0"

Please note that in the Caliente/Las Vegas Heavy Haul worksheet, the "year" (2006, 2007, 2008, 2009) columns are out of sequence... no room on the worksheet to insert. The applicable Excel formulas were adjusted to incorporate the aboration.

These assumptions, their premises and rationale were discussed in a three-way telephone conversation with Ralph Best, William Craig, and me 08/31/00. Bill Craig has reviewed all the changes and is in agreement with them.

A Calculations/Analysis Documentation package, in accordance with Jason YP-014, Revision 0, is being drafted.

PD Baxter  
TtNUS-Aiken



Pixie Baxter  
10/31/2000 02:29 PM

To: Ralph Best/YD/RWDOE@CRWMS, John Bland/YM/RWDOE@CRWMS  
cc: William Craig/YD/RWDOE@CRWMS

Subject: Revised assumptions; repayment of loan of beltway construction

Federal Record Status Not Determined

Per our conference telephone call today, assumptions related to the repayment of the loan funding the accelerated schedule for building the Las Vegas beltway are:

- the loan repayment will begin 3 years after substantial completion of construction. Based on the schedule available today, substantial construction would be completed in 2008, thus repayment would begin in 2011
- the anticipated "real" interest rate is 3%. The "nominal" interest rate is the annualized inflation rate plus 3% . Based on 09/99 - 09/00 inflation rate, that nominal rate is 6.5%.
- the loan will be amortized over 30 years
- the loan repayment obligation is a component of some heavy haul alternatives, C&M line item

PDB



Ralph Best  
10/02/2000 07:11 PM

To: John Bland/YM/RWDOE@CRWMS, Pixie Baxter/YD/RWDOE@CRWMS  
cc: William Craig/YD/RWDOE@CRWMS, Phil Gehner/YM/RWDOE@CRWMS, Joseph Rivers/YD/RWDOE@CRWMS, David Wayman/YD/RWDOE@CRWMS

Subject: Heavy-Haul Assumptions for Routes that Use the LV Beltway

**Federal Record Status Not Determined**


John Bland reminded me that he had sent HH analyses for the Caliente/Chalk Mountain and Caliente heavy-haul truck routes on 9/7. He is awaiting assumptions regarding the range of costs to construct the Beltway segments needed for the Caliente/Las Vegas, Apex/Dry Lake, and Sloan/Jean routes. John commented that the Louis Berger report provided the following data that could be used to estimate the upper bound cost for construction of beltway segments.

1. \$25 million per mile of freeway.
2. \$50 million for each system interchange (i.e., interchange with I-15 for the Northern Beltway segment and interchange with U.S. 95 for routes that use the Northern or Southern & Western Beltway).
3. Information is presented on page 29 of the Louis Berger report.
4. Northern Beltway - 13 miles + 2 interchanges - \$425 million
5. Southern and Western Beltway - 27 miles + 1 interchange - \$725 million

Assumption not included in the Louis Berger report is that all costs are reported in year 2000 constant dollars.

John should use the above cost assumptions for REMI analyses of high-end bounding analysis. The estimated Beltway costs used in the DEIS analyses should be used to estimate low-end bounding impacts.

John will begin runs for rail corridors this week.

 Ralph Best  
08/15/2000 08:37 AM

To: John Bland/YM/RWDOE@CRWMS  
cc: William Craig/YD/RWDOE@CRWMS, John von Reis/YD/RWDOE@CRWMS

Subject: Re: Nevada Transportation Schedules 

Federal Record Status Not Determined

Phil did not provide me with the start dates. We could assume the end date is December 31, 2009, then back out the start date based on the durations Phil provided.

Ralph

John Bland

John Bland


08/15/2000 07:56 AM

To: Ralph Best/YD/RWDOE@CRWMS, Phil Gehner/YM/RWDOE@CRWMS  
cc: William Craig/YD/RWDOE@CRWMS, Cynthia Langdale/YD/RWDOE@CRWMS, Diane Morton/YD/RWDOE@CRWMS

Subject: Re: Nevada Transportation Schedules 

Question: Since these will transcend a number of years (and partial years) do we have a start date for construction of each option/corridor?

Ralph Best

 Ralph Best  
08/15/2000 07:02 AM

To: William Craig/YD/RWDOE@CRWMS  
cc: John Bland/YM/RWDOE@CRWMS, Cynthia Langdale/YD/RWDOE@CRWMS, Diane Morton/YD/RWDOE@CRWMS


Subject: Nevada Transportation Schedules

Phil Gehner provided the below information regarding changes in assumptions re: time to construct for Nevada rail and heavy-haul truck transportation implementing alternatives.

Ralph

Cyndi/Diane, These changes will result in changes in Chapter 6, Section 6.3, Socioeconomics subsections.

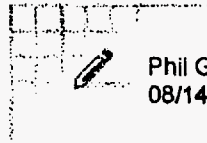
----- Forwarded by Ralph Best/YD/RWDOE on 08/15/2000 07:00 AM -----

 Bonnie Fogdall  
08/14/2000 01:18 PM

To: Ralph Best/YD/RWDOE@CRWMS  
cc: EIS AR@CRWMS

Subject: Nevada Transportation Schedules

----- Forwarded by Bonnie Fogdall/YM/RWDOE on 08/14/2000 01:19 PM -----



Phil Gehner  
08/14/2000 08:03 AM

To: Bonnie Fogdall/YM/RWDOE@CRWMS  
cc: Lee Morton/YM/RWDOE@CRWMS, Scott Kelderhouse/YM/RWDOE@CRWMS

Subject: Nevada Transportation Schedules

Ralph Best requested schedule information (8/10/00), regarding rail construction and heavy-haul truck road upgrade durations for all of the routes. The following durations represent the latest information for **Construction only**. Please forward information to Ralph.

**Rail Construction Duration:**

**Caliente - 3 years 10 months**  
**Carlin - (assumed to be same as Caliente)**

**Valley Modified - 3 years 4 months**

**Jean and Caliente/Chalk-Mountain - 3 years 7 months (duration based on route distance is greater than Valley Modified, but less than Caliente and Carlin).**

**Heavy-Haul Road Upgrade Construction Duration:**

These durations have changed from the MK May 1998 report. Las Vegas beltway times have been added.

**Caliente - 2 years 11 months**  
**Caliente/Chalk-Mountain - 2 years 2 months**  
**Caliente/Las Vegas - 3 years 10 months**  
**Jean/Sloan - 4 years**  
**Apex/Dry Lake - 2 years 4 months**

## **Appendix B**

### **1998 Baseline Data Inputs and Outputs**

- Attachment 1    Implementing Alternative Baseline, Clark County Input.
- Attachment 2    Implementing Alternative Baseline, Nye County Input.
- Attachment 3    Implementing Alternative Baseline, Lincoln County Input.
- Attachment 4    Implementing Alternative Baseline, Rest of the State of Nevada Input.
- Attachment 5    Implementing Alternative Baseline, Clark County Output.
- Attachment 6    Implementing Alternative Baseline, Nye County Output.
- Attachment 7    Implementing Alternative Baseline, Lincoln County Output.
- Attachment 8    Implementing Alternative Baseline, Rest of the State of Nevada Output.
- Attachment 9    Implementing Alternative Baseline, All of the State of Nevada Output.
- Attachment 10   Implementing Alternative Baseline, Notes and Inflators.



# Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes						0	0	0
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Employment	Hotel sector	38	thousands	0.000	13.534	15.363	15.698	16.578
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent				0.033	0.067
State and local government spending (amount)	transit utilities	T344	1997 US				105.2	105.2
Government spending (amount)	state and local	197	1997 US \$ (M)				-73.6	-73.6
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	0.0000	13.5340	15.3628	15.6978	16.5778
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	0.0000	0.0000	0.0000	-0.0330	-0.0670
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands		0.1593	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands		-0.0125	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands		-0.0034	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands		-0.0007	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	92.000	25.000	11.000	9.300	8.300

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.1	0.1	0.1	0.2	0.2
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Employment	Hotel sector	38	thousands	17.655	18.285	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.1	0.133	0.167	0.2	0.233
State and local government spending (amount)	transit utilities	T344	1997 US	105.2	105.2	105.2	192.3	192.3
Government spending (amount)	state and local	197	1997 US \$ (M)	-73.6	-73.6	-73.6	-134.6	-134.6
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	17.6548	18.2848	18.5538	18.5538	18.5538
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.1000	-0.1330	-0.1670	-0.2000	-0.2330
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	8.000	7.500	8.000	8.000	8.000

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.2	0.3	0.3	0.3	0.4
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.267	0.3	0.333	0.367	0.4
State and local government spending (amount)	transit utilities	T344	1997 US	192.3	192.3	192.3	96.2	96.2
Government spending (amount)	state and local	197	1997 US \$ (M)	-134.6	-134.6	-134.6	-64.8	-64.8
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	18.5538	18.5538	18.5538	18.5540	18.5540
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.2670	-0.3000	-0.3330	-0.3670	-0.4000
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	8.000	7.500	7.000	7.000	6.500

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.4	0.4	0.5	0.5	0.5
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.433	0.467	0.5	0.533	0.567
State and local government spending (amount)	transit utilities	T344	1997 US	96.2	96.2	96.2	96.2	96.2
Government spending (amount)	state and local	197	1997 US \$ (M)	-64.8	-64.8	-64.8	-64.8	-64.8
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	18.5540	18.5540	18.5540	18.5540	18.5540
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.4330	-0.4670	-0.5000	-0.5330	-0.5670
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	6.200	5.800	5.700	5.000	5.000

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.6	0.6	0.6	0.7	0.7
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.6	0.633	0.667	0.7	0.733
State and local government spending (amount)	transit utilities	T344	1997 US	96.2	96.2	96.2		
Government spending (amount)	state and local	197	1997 US \$ (M)	-64.8	-64.8	-64.8		
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	18.5540	18.5540	18.5540	18.5540	18.5540
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.6000	-0.6330	-0.6670	-0.7000	-0.7330
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	4.500	4.000	3.500	3.000	2.000

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.7	0.8	0.8	0.8	0.9
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.767	0.8	0.833	0.867	0.9
State and local government spending (amount)	transit utilities	T344	1997 US					
Government spending (amount)	state and local	197	1997 US \$ (M)					
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	18.5540	18.5540	18.5540	18.5540	18.5540
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.7670	-0.8000	-0.8330	-0.8670	-0.9000
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	2.000	1.000	1.000	0.500	0.000

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study								
Retirement Migration Adjustments								
YMP-NTS Employment Changes				0.9	0.9	1	1	1
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	18.554	18.554
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	0.933	0.967	1	1.033	1.067
State and local government spending (amount)	transit utilities	T344	1997 US					
Government spending (amount)	state and local	197	1997 US \$ (M)					
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	18.5540	18.5540	18.5540	18.5540	18.5540
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-0.9330	-0.9670	-1.0000	-1.0330	-1.0670
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	87.3800	87.3800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	28.1300	28.1300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	-32.9600	-32.9600
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	-31.6200	-31.6200
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	-11.4500	-11.4500
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	24.8600	24.8600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	-21.3500	-21.3500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	-56.0200	-56.0200
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	-27.3600	-27.3600
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	6.9600	6.9600
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	0.2148	0.2148
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	-0.0081	-0.0081
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
REMI Econ Migration Number		D10	Thousands	-0.500	-1.000	-1.500	-2.500	-3.000



# Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV study							
Retirement Migration Adjustments							
YMP-NTS Employment Changes				1.1	1.1	1.1	
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>				
<b>Clark County</b>				<b>2033</b>	<b>2034</b>	<b>2035</b>	
Employment	Hotel sector	38	thousands	18.554	18.554	18.554	
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent	1.1	1.133	1.167	
State and local government spending (amount)	transit utilities	T344	1997 US				
Government spending (amount)	state and local	197	1997 US \$ (M)				
<b>Clark County Inputs</b>							
Employment	Hotel sector	38	thousands	18.5540	18.5540	18.5540	
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	-1.1000	-1.1330	-1.1670	
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	0.0000	
Government spending (amount)	state and local	197	(M)	0.0000	0.0000	0.0000	
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	87.3800	87.3800	87.3800	
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	28.1300	28.1300	28.1300	
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-32.9600	-32.9600	-32.9600	
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-31.6200	-31.6200	-31.6200	
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-11.4500	-11.4500	-11.4500	
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	24.8600	24.8600	24.8600	
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-21.3500	-21.3500	-21.3500	
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-56.0200	-56.0200	-56.0200	
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-27.3600	-27.3600	-27.3600	
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	6.9600	6.9600	6.9600	
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.2148	0.2148	0.2148	
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	-0.0308	-0.0308	-0.0308	
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	-0.0081	-0.0081	-0.0081	
SIC 58 (REMI 35 )		35	Thousands	-0.0004	-0.0004	-0.0004	
REMI Econ Migration Number		D10	Thousands	-3.000	-4.000	-8.000	



### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Calculation for number of economic migrants needed								
	1998	1999	2000	2001	2002	2003	2004	2005
Clark County/ UNLV projections (w/ HUM)	1246.193	1321.319	1383.335	1439.676	1492.042	1541.672	1588.948	1633.915
REMI projections after employment updates	1164.2849	1226.978	1288.143	1344.729	1397.788	1447.73	1494.649	1538.985
Difference (County less REMI)	81.908	94.341	95.192	94.947	94.254	93.942	94.299	94.93
REMI Econ Migration Number	92.000	25.000	11.000	9.300	8.300	8.000	7.500	8.000
Test results: Clark cnty pop output after siml	1246.623	1321.315	1383.113	1439.609	1492.268	1542.03	1588.829	1633.935
Test difference: Clark cnty less econ mig adjusted REMI	-0.430	0.004	0.222	0.067	-0.226	-0.358	0.119	-0.020
	2006	2007	2008	2009	2010	2011	2012	2013
Clark County/ UNLV projections (w/ HUM)	1676.664	1717.754	1758.073	1797.813	1836.859	1875.303	1912.657	1948.52
REMI projections after employment updates	1580.6	1620.557	1659.829	1698.942	1737.808	1776.428	1814.437	1851.457
Difference (County less REMI)	96.064	97.197	98.244	98.871	99.051	98.875	98.22	97.063
REMI Econ Migration Number	8.000	8.000	8.000	7.500	7.000	7.000	6.500	6.200
Test results: Clark cnty pop output after siml	1676.43	1717.307	1757.639	1797.432	1836.548	1875.288	1912.707	1948.827
Test difference: Clark cnty less econ mig adjusted REMI	0.234	0.447	0.434	0.381	0.311	0.015	-0.050	-0.307
	2014	2015	2016	2017	2018	2019	2020	2021
Clark County/ UNLV projections (w/ HUM)	1983.11	2016.609	2049.222	2081.161	2112.495	2143.363	2173.843	2204.335
REMI projections after employment updates	1887.538	1922.717	1957.13	1990.954	2024.27	2057.235	2089.97	2122.802
Difference (County less REMI)	95.572	93.892	92.092	90.207	88.225	86.128	83.873	81.533
REMI Econ Migration Number	5.800	5.700	5.000	5.000	4.500	4.000	3.500	3.000
Test results: Clark cnty pop output after siml	1983.468	2017.067	2049.46	2081.534	2112.86	2143.685	2174.21	2204.742
Test difference: Clark cnty less econ mig adjusted REMI	-0.358	-0.458	-0.238	-0.373	-0.365	-0.322	-0.367	-0.407

**Attachment 1. Implementing Alternative Baseline, Clark County Input.**

	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Clark County/ UNLV projections (w/ HUM)	2234.949	2265.645	2296.565	2327.761	2359.412	2391.782	2424.865	2458.529
REMI projections after employment updates	2155.912	2189.197	2222.723	2256.584	2290.985	2326.193	2362.158	2398.764
Difference (County less REMI)	79.037	76.448	73.842	71.177	68.427	65.589	62.707	59.765
REMI Econ Migration Number	2.000	2.000	1.000	1.000	0.500	0.000	-0.500	-1.000
Test results: Clark cnty pop output after siml	2234.932	2265.627	2296.183	2327.484	2359.315	2391.723	2424.878	2458.674
Test difference: Clark cnty less econ mig adjusted REMI	0.017	0.018	0.382	0.277	0.097	0.059	-0.013	-0.145
	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>		
Clark County/ UNLV projections (w/ HUM)	2492.684	2527.356	2562.716	2598.678	2635.016	2667.217		
REMI projections after employment updates	2435.956	2473.762	2512.383	2551.776	2591.741	2632.03		
Difference (County less REMI)	56.728	53.594	50.333	46.902	43.275	35.187		
REMI Econ Migration Number	-1.500	-2.500	-3.000	-3.000	-4.000	-8.000		
Test results: Clark cnty pop output after siml	2492.956	2527.462	2562.693	2599.026	2635.371	2668.86		
Test difference: Clark cnty less econ mig adjusted REMI	-0.272	-0.106	0.023	-0.348	-0.355	-1.643		

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

Adjustments from mining									
Retirement Migration Adjustments									
Adjustments from YMP/NTS						0	0	0	246.58
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>						
<b>Nye County</b>				<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600
Employment -Misc Professional Serv		46	Thousands		0.0076	0.0687	0.0687	0.0687	0.0687
Employment - Fed Govt Civ		51	Thousands		0.0000	0.0000	0.0000	0.0000	0.0000
Employment -Misc Business Serv		42	Thousands		0.0196	0.1291	0.1291	0.1291	0.1291
Employment - Mining		22	Thousands		-0.1810	-0.2310	-0.2810	-0.2520	-0.2440
REMI Econ Migration Number (to include latest nye update)		D10	Thousands	7.400	2.700	1.900	1.900	1.900	1.900
<b>Mining employment development</b>									
	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Metal mining (REMI)	1,114	1,035	940	923	894	886	883	881	892
Metal mining (REMI)	1,114	1,035	940	923	894	886	883	881	892
Loss of Bullfrog Mine Jobs (Cauliflower)		-181	-231	-281	-281	-281	-281	-281	-281
Metal Mining Jobs		854	709	642	613	605	602	600	611
Number needed to be added to									
Maintain employment at 2001 level		0	0	0	29	37	40	42	31
(From PIC 1998)									
Total Mine adjustment		-181	-231	-281	-252	-244	-241	-239	-250

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

Adjustments from mining									
Retirement Migration Adjustments									
Adjustments from YMP/NTS	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58
<b>Variable Description</b>									
<b>Nye County</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Retired Migration, Male, All Groups	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900
Retired Migration, Male, All Groups	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800
Retired Migration, Male, All Groups	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700
Retired Migration, Male, All Groups	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000
Retired Migration, Female, All Groups	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000
Retired Migration, Female, All Groups	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600
Retired Migration, Female, All Groups	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200
Retired Migration, Female, All Groups	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600
Employment -Misc Professional Serv	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687
Employment - Fed Govt Civ	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Employment -Misc Business Serv	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291
Employment - Mining	-0.2410	-0.2390	-0.2500	-0.2120	-0.1740	-0.1390	-0.1070	-0.1070	-0.1070
REMI Econ Migration Number (to include latest n	1.900	1.900	2.000	2.100	2.100	2.100	2.100	2.100	2.100
<b>Mining employment development</b>									
	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Metal mining (REMI)	0.854	0.816	0.781	0.749	0.717	0.687	0.658	0.628	0.6
Metal mining (REMI)	854	816	781	749	717	687	658	628	600
Loss of Bullfrog Mine Jobs (Cauliflower	-281	-281	-281	-281	-281	-281	-281	-281	-281
Metal Mining Jobs	573	535	500	468	436	406	377	347	319
Number needed to be added to									
Maintain employment at 2001 level	69	107	142	174	174	174	174	174	174
(From PIC 1998)									
Total Mine adjustment	-212	-174	-139	-107	-107	-107	-107	-107	-107

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

Adjustments from mining									
Retirement Migration Adjustments									
Adjustments from YMP/NTS	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58
<b>Variable Description</b>									
<b>Nye County</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Retired Migration, Male, All Groups	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900
Retired Migration, Male, All Groups	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800
Retired Migration, Male, All Groups	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700
Retired Migration, Male, All Groups	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000
Retired Migration, Female, All Groups	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000
Retired Migration, Female, All Groups	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600
Retired Migration, Female, All Groups	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200
Retired Migration, Female, All Groups	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600
Employment -Misc Professional Serv	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687
Employment - Fed Govt Civ	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Employment -Misc Business Serv	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291
Employment - Mining	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070
REMI Econ Migration Number (to include latest n	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
<b>Mining employment development</b>									
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Metal mining (REMI)	0.574	0.549	0.525	0.502	0.479	0.458	0.439	0.42	0.401
Metal mining (REMI)	574	549	525	502	479	458	439	420	401
Loss of Bullfrog Mine Jobs (Cauliflower	-281	-281	-281	-281	-281	-281	-281	-281	-281
Metal Mining Jobs	293	268	244	221	198	177	158	139	120
Number needed to be added to									
Maintain employment at 2001 level	174	174	174	174	174	174	174	174	174
(From PIC 1998)									
Total Mine adjustment	-107	-107	-107	-107	-107	-107	-107	-107	-107

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

Adjustments from mining									
Retirement Migration Adjustments									
Adjustments from YMP/NTS	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58	246.58
<b>Variable Description</b>									
<b>Nye County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Retired Migration, Male, All Groups	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900
Retired Migration, Male, All Groups	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800	246.5800
Retired Migration, Male, All Groups	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700	96.0700
Retired Migration, Male, All Groups	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000	584.5000
Retired Migration, Female, All Groups	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000	235.3000
Retired Migration, Female, All Groups	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600	27.0600
Retired Migration, Female, All Groups	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200	259.6200
Retired Migration, Female, All Groups	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600
Employment -Misc Professional Serv	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687	0.0687
Employment - Fed Govt Civ	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Employment -Misc Business Serv	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291
Employment - Mining	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070
REMI Econ Migration Number (to include latest n	2.100	2.100	2.100	2.100	2.000	2.000	2.000	2.000	2.000
<b>Mining employment development</b>									
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>
Metal mining (REMI)	0.384	0.368	0.353	0.338	0.325	0.312	0.3	0.288	0.277
Metal mining (REMI)	384	368	353	338	325	312	300	288	277
Loss of Bullfrog Mine Jobs (Cauliflower	-281	-281	-281	-281	-281	-281	-281	-281	-281
Metal Mining Jobs	103	87	72	57	44	31	19	7	-4
Number needed to be added to									
Maintain employment at 2001 level	174	174	174	174	174	174	174	174	174
(From PIC 1998)									
Total Mine adjustment	-107	-107	-107	-107	-107	-107	-107	-107	-107

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

Adjustments from mining					
Retirement Migration Adjustments					
Adjustments from YMP/NTS	246.58	246.58	246.58	246.58	246.58
<b>Variable Description</b>					
<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Retired Migration, Male, All Groups	1189.9900	1189.9900	1189.9900	1189.9900	1189.9900
Retired Migration, Male, All Groups	246.5800	246.5800	246.5800	246.5800	246.5800
Retired Migration, Male, All Groups	96.0700	96.0700	96.0700	96.0700	96.0700
Retired Migration, Male, All Groups	-247.1300	-247.1300	-247.1300	-247.1300	-247.1300
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	584.5000	584.5000	584.5000	584.5000	584.5000
Retired Migration, Female, All Groups	235.3000	235.3000	235.3000	235.3000	235.3000
Retired Migration, Female, All Groups	27.0600	27.0600	27.0600	27.0600	27.0600
Retired Migration, Female, All Groups	259.6200	259.6200	259.6200	259.6200	259.6200
Retired Migration, Female, All Groups	-120.9600	-120.9600	-120.9600	-120.9600	-120.9600
Employment -Misc Professional Serv	0.0687	0.0687	0.0687	0.0687	0.0687
Employment - Fed Govt Civ	0.0000	0.0000	0.0000	0.0000	0.0000
Employment -Misc Business Serv	0.1291	0.1291	0.1291	0.1291	0.1291
Employment - Mining	-0.1070	-0.1070	-0.1070	-0.1070	-0.1070
REMI Econ Migration Number (to include latest n	2.000	2.000	1.900	1.900	1.900
Mining employment development					
	<b>2034</b>	<b>2035</b>			
Metal mining (REMI)	0.267	0.257			
Metal mining (REMI)	267	257			
Loss of Bullfrog Mine Jobs (Cauliflower	-281	-281			
Metal Mining Jobs	-14	-24			
Number needed to be added to					
Maintain employment at 2001 level	174	174			
(From PIC 1998)					
Total Mine adjustment	-107	-107			



## Attachment 2. Implementing Alternatives Baseline, Nye County Input

	1998	1999	2000	2001	2002	2003	2004	2005	2006
Nye County/ PIC Projections (1998 report)	33.750	35.820	37.990	39.960	41.820	43.560	45.220	46.800	48.310
Nye County estimates (April 2000)	35.524	38.442	40.612	42.582	44.442	46.182	47.842	49.422	50.932
Difference ('98-99)	1.774	2.622							
Nye County projections after siml, but w/o latest pop estimates. This was developed through a simulation.	33.669	35.870	38.039	40.027	41.86	43.561	45.186	46.797	48.338
Revised target; Basically, previous simulation + Nye's increased pop as reported by Nye County in 2000.	35.524	38.442	40.661	42.649	44.482	46.183	47.808	49.419	50.960
<b>Calculation for number of economic migrants needed</b>									
	1998	1999	2000	2001	2002	2003	2004	2005	2006
Nye County Target	35.524	38.442	40.661	42.649	44.482	46.183	47.808	49.419	50.960
REMI projections after employment updates	28.9189	30.443	31.8781	33.2142	34.4553	35.626	36.738	37.804	38.819
Difference (County less REMI)	6.605	7.999	8.783	9.435	10.027	10.557	11.070	11.615	12.141
REMI Econ Migration Number (to include latest nye update)	7.400	2.700	1.900	1.900	1.900	1.900	1.900	1.900	2.000
Test results: Nye cnty pop output after siml	35.507	38.472	40.656	42.688	44.547	46.272	47.882	49.387	50.888
Test difference: Nye cnty less econ mig adjusted REMI	0.017	-0.030	0.005	-0.039	-0.065	-0.089	-0.074	0.032	0.072



## Attachment 2. Implementing Alternatives Baseline, Nye County Input

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Nye County/ PIC Projections (1998 report)	49.760	51.160							
Nye County estimates (April 2000)	52.382	53.782	2.622	2.622	2.622	2.622	2.622	2.622	2.622
Difference ('98-99)									
Nye County projections after siml, but w/o latest pop estimates. This was developed through a simulation.	49.81	51.245	52.659	54.029	55.345	56.584	57.741	58.836	59.871
Revised target; Basically, previous simulation + Nye's increased pop as reported by Nye County in 2000.	52.432	53.867	55.281	56.651	57.967	59.206	60.363	61.458	62.493
<b>Calculation for number of economic</b>									
	2007	2008	2009	2010	2011	2012	2013	2014	2015
Nye County Target	52.432	53.867	55.281	56.651	57.967	59.206	60.363	61.458	62.493
REMI projections after employment updates	39.823	40.83	41.846	42.865	43.866	44.842	45.787	46.699	47.584
Difference (County less REMI)	12.609	13.037							
REMI Econ Migration Number (to include latest nye update)	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
Test results: Nye cnty pop output after siml	52.41	53.895	55.349	56.759	58.095	59.354	60.521	61.616	62.641
Test difference: Nye cnty less econ mig adjusted REMI	0.022	-0.028	-0.068	-0.108	-0.128	-0.148	-0.158	-0.158	-0.148

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

	2016	2017	2018	2019	2020	2021	2022	2023	2024
Nye County/ PIC Projections (1998 report)									
Nye County estimates (April 2000)	2.622	2.622	2.622	2.622	2.622	2.622	2.622	2.622	2.622
Difference ('98-99)									
Nye County projections after siml, but w/o latest pop estimates. This was developed through a simulation.	60.859	61.817	62.746	63.659	64.551	65.455	66.351	67.257	68.168
Revised target; Basically, previous simulation + Nye's increased pop as reported by Nye County in 2000.	63.481	64.439	65.368	66.281	67.173	68.077	68.973	69.879	70.790
<b>Calculation for number of economic</b>									
	2016	2017	2018	2019	2020	2021	2022	2023	2024
Nye County Target	63.481	64.439	65.368	66.281	67.173	68.077	68.973	69.879	70.790
REMI projections after employment updates	48.442	49.276	50.089	50.885	51.67	52.447	53.224	53.999	54.774
Difference (County less REMI)									
REMI Econ Migration Number (to include latest nye update)	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
Test results: Nye cnty pop output after siml	63.629	64.587	65.516	66.439	67.351	68.275	69.201	70.127	71.078
Test difference: Nye cnty less econ mig adjusted REMI	-0.148	-0.148	-0.148	-0.158	-0.178	-0.198	-0.228	-0.248	-0.288

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>
Nye County/ PIC Projections (1998 report)									
Nye County estimates (April 2000)	2.622	2.622	2.622	2.622	2.622	2.622	2.622	2.622	2.622
Difference ('98-99)									
Nye County projections after siml, but w/o latest pop estimates. This was developed through a simulation.	69.107	70.055	71.031	72.024	73.053	74.092	75.163	76.262	77.378
Revised target; Basically, previous simulation + Nye's increased pop as reported by Nye County in 2000.	71.729	72.677	73.653	74.646	75.675	76.714	77.785	78.884	80.000
<b>Calculation for number of economic</b>									
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>
Nye County Target	71.729	72.677	73.653	74.646	75.675	76.714	77.785	78.884	80.000
REMI projections after employment updates	55.555	56.341	57.14	57.95	58.767	59.595	60.431	61.283	62.148
Difference (County less REMI)									
REMI Econ Migration Number (to include latest nye update)	2.100	2.000	2.000	2.000	2.000	2.000	2.000	2.000	1.900
Test results: Nye cnty pop output after siml	72.047	72.955	73.901	74.884	75.903	76.952	78.033	79.152	80.208
Test difference: Nye cnty less econ mig adjusted REMI	-0.318	-0.278	-0.248	-0.238	-0.228	-0.238	-0.248	-0.268	-0.208

## Attachment 2. Implementing Alternatives Baseline, Nye County Input

	<b>2034</b>	<b>2035</b>			
Nye County/ PIC Projections (1998 report)					
Nye County estimates (April 2000)	2.622	2.622			
Difference ('98-99)					
Nye County projections after siml, but w/o latest pop estimates. This was developed through a simulation.	78.516	79.667			
Revised target; Basically, previous simulation + Nye's increased pop as reported by Nye County in 2000.	81.138	82.289			
<b>Calculation for number of economic</b>					
	<b>2034</b>	<b>2035</b>			
Nye County Target	81.138	82.289			
REMI projections after employment updates	63.026	63.909			
Difference (County less REMI)					
REMI Econ Migration Number (to include latest nye update)	1.900	1.900			
Test results: Nye cnty pop output after siml	81.306	82.417			
Test difference: Nye cnty less econ mig adjusted REMI	-0.168	-0.128			

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
Variable Description	Detail	PV	Units	1998	1999	2000	2001	2002
<b>Policy Variable Inputs*</b>								
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500
REMI Econ Migration Number		D10	Thousands	0.060	0.100	0.160	0.150	0.070
<b>Calculation for number of economic migrants needed</b>				<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Lincoln County: Demographer Projections				4.210	4.280	4.410	4.470	4.490
REMI projections after employment updates				4.152	4.141	4.131	4.116	4.097
Difference (Demographer less REMI)				0.058	0.139	0.279	0.354	0.393
REMI Econ Migration Number				0.060	0.100	0.160	0.150	0.070
Test results: Linc cnty pop output after siml				4.20633	4.2764	4.3894	4.4736	4.4763
Test difference: NSDO less econ mig adjusted REMI				0.004	0.004	0.021	-0.004	0.014

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County									
Variable Description	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500
Retired Migration, Male, All Groups	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900
Retired Migration, Male, All Groups	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900
Retired Migration, Male, All Groups	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600
Retired Migration, Male, All Groups	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300
Retired Migration, Female, All Groups	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600
Retired Migration, Female, All Groups	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100
Retired Migration, Female, All Groups	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300
Retired Migration, Female, All Groups	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100
Retired Migration, Female, All Groups	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500
REMI Econ Migration Number	0.040	0.025	0.010	0.010	0.000	0.000	0.000	0.000	0.000
<b>Calculation for number of economic migrants</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Lincoln County: Demographer Projections	4.450	4.440	4.400	4.390	4.360	4.380	4.400	4.430	4.440
REMI projections after employment updates	4.084	4.077	4.076	4.078	4.082	4.094	4.113	4.140	4.176
Difference (Demographer less REMI)	0.366	0.363	0.324	0.312	0.278	0.286	0.287	0.290	0.264
REMI Econ Migration Number	0.040	0.025	0.010	0.010	0.000	0.000	0.000	0.000	0.000
Test results: Linc cnty pop output after siml	4.4615	4.443	4.4212	4.4085	4.392	4.3863	4.392	4.4054	4.4293
Test difference: NSDO less econ mig adjusted REMI	-0.011	-0.003	-0.021	-0.019	-0.032	-0.006	0.008	0.025	0.011

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County									
Variable Description	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500
Retired Migration, Male, All Groups	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900
Retired Migration, Male, All Groups	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900
Retired Migration, Male, All Groups	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600
Retired Migration, Male, All Groups	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300
Retired Migration, Female, All Groups	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600
Retired Migration, Female, All Groups	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100
Retired Migration, Female, All Groups	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300
Retired Migration, Female, All Groups	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100
Retired Migration, Female, All Groups	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500
REMI Econ Migration Number	-0.005	-0.015	-0.040	-0.040	-0.040	-0.060	-0.060	-0.060	-0.060
<b>Calculation for number of economic migrants</b>									
Lincoln County: Demographer Projections	4.460	4.480	4.490	4.510	4.540	4.560	4.580		
REMI projections after employment updates	4.219	4.269	4.328	4.391	4.456	4.522	4.589	4.657	4.724
Difference (Demographer less REMI)	0.241	0.211	0.162	0.119	0.084	0.038	-0.009		
REMI Econ Migration Number	-0.005	-0.015	-0.040	-0.040	-0.040	-0.060	-0.060	-0.060	-0.060
Test results: Linc cnty pop output after siml	4.4567	4.48271	4.49756	4.52075	4.54969	4.5652	4.5864	4.6138	4.6439
Test difference: NSDO less econ mig adjusted REMI	0.003	-0.003	-0.008	-0.011	-0.010	-0.005	-0.006	-4.614	-4.644

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County									
Variable Description	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500
Retired Migration, Male, All Groups	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900
Retired Migration, Male, All Groups	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900
Retired Migration, Male, All Groups	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600
Retired Migration, Male, All Groups	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300
Retired Migration, Female, All Groups	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600
Retired Migration, Female, All Groups	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100
Retired Migration, Female, All Groups	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300
Retired Migration, Female, All Groups	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100
Retired Migration, Female, All Groups	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500
REMI Econ Migration Number	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
<b>Calculation for number of economic migrants</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Lincoln County: Demographer Projections									
REMI projections after employment updates	4.790	4.854	4.917	4.979	5.039	5.097	5.152	5.206	5.260
Difference (Demographer less REMI)									
REMI Econ Migration Number	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
Test results: Linc cnty pop output after siml	4.6768	4.711	4.7467	4.7854	4.8242	4.8637	4.9028	4.9425	4.9841
Test difference: NSDO less econ mig adjusted REMI	-4.677	-4.711	-4.747	-4.785	-4.824	-4.864	-4.903	-4.943	-4.984



### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County						
Variable Description	2030	2031	2032	2033	2034	2035
<b>Policy Variable Inputs*</b>						
Retired Migration, Male, All Groups	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500	-33.6500
Retired Migration, Male, All Groups	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900	-53.3900
Retired Migration, Male, All Groups	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900	-79.7900
Retired Migration, Male, All Groups	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600	-84.8600
Retired Migration, Male, All Groups	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300	-53.5300
Retired Migration, Female, All Groups	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600	-71.4600
Retired Migration, Female, All Groups	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100	-99.1100
Retired Migration, Female, All Groups	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300	-132.9300
Retired Migration, Female, All Groups	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100	-21.2100
Retired Migration, Female, All Groups	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500	-21.1500
REMI Econ Migration Number	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
<b>Calculation for number of economic migrants</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Lincoln County: Demographer Projections						
REMI projections after employment updates	5.313	5.366	5.421	5.479	5.540	5.603
Difference (Demographer less REMI)						
REMI Econ Migration Number	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
Test results: Linc cnty pop output after siml	5.027	5.0709	5.1175	5.1685	5.2236	5.2808
Test difference: NSDO less econ mig adjusted REMI	-5.027	-5.071	-5.118	-5.169	-5.224	-5.281

# Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada									
Variable Description	Detail		Units	1998	1999	2000	2001	2002	2003
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	65-69 Year Olds	D24	%	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800
Retired Migration, Male, All Groups	70-74 Year Olds	D24	%	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300
Retired Migration, Male, All Groups	75-79 Year Olds	D24	%	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200
Retired Migration, Male, All Groups	80-84 Year Olds	D24	%	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800
Retired Migration, Male, All Groups	85-100 Year Olds	D24	%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	65-69 Year Olds	D25	%	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200
Retired Migration, Female, All Groups	70-74 Year Olds	D25	%	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500
Retired Migration, Female, All Groups	75-79 Year Olds	D25	%	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100
Retired Migration, Female, All Groups	80-84 Year Olds	D25	%	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000
Retired Migration, Female, All Groups	85-100 Year Olds	D25	%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
REMI Econ Migration Number		D10	Thousands	27.200	8.000	9.100	8.000	8.000	6.000
				574.550	587.280	600.790	611.450	625.110	632.760
				574.550	587.280	600.790	611.450	625.110	632.760
<b>Calculation for number of economic migrants needed</b>									
				<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Rest of Nevada: Demographer Projections				574.550	587.280	600.790	611.450	625.110	632.760
REMI projections after employment updates				550.2677	559.5339	568.042	576.392	584.644	592.711
Difference (Demographer less REMI)				24.282	27.746	32.748	35.058	40.466	40.049
REMI Econ Migration Number				27.200	8.000	9.100	8.000	8.000	6.000
Test results: Rest NV pop output after siml				574.552	587.392	600.678	612.385	623.813	633.077
Test difference: NSDO less econ mig adjusted REMI				-0.002	-0.112	0.112	-0.935	1.297	-0.317

# Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada									
<b>Variable Description</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800
Retired Migration, Male, All Groups	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300
Retired Migration, Male, All Groups	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200
Retired Migration, Male, All Groups	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200
Retired Migration, Female, All Groups	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500
Retired Migration, Female, All Groups	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100
Retired Migration, Female, All Groups	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000
Retired Migration, Female, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
REMI Econ Migration Number	7.000	2.000	2.000	2.000	5.200	8.500	9.200	10.000	10.500
	643,590	648,250	656,310	660,360	670,060	681,860	694,050	706,390	718,720
	643.590	648.250	656.310	660.360	670.060	681.860	694.050	706.390	718.720
<b>Calculation for number of economic migran</b>									
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Rest of Nevada: Demographer Projections	643.590	648.250	656.310	660.360	670.060	681.860	694.050	706.390	718.720
REMI projections after employment updates	600.674	608.557	616.349	623.961	631.399	638.896	646.415	653.993	661.607
Difference (Demographer less REMI)	42.916	39.693	39.961	36.399	38.661	42.964	47.635	52.397	57.113
REMI Econ Migration Number	7.000	2.000	2.000	2.000	5.200	8.500	9.200	10.000	10.500
Test results: Rest NV pop output after siml	643.252	648.778	654.789	660.975	670.107	682.05	694.068	706.323	718.501
Test difference: NSDO less econ mig adjusted REMI	0.338	-0.528	1.521	-0.615	-0.047	-0.190	-0.018	0.067	0.219

# Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada									
<b>Variable Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800
Retired Migration, Male, All Groups	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300
Retired Migration, Male, All Groups	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200
Retired Migration, Male, All Groups	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200
Retired Migration, Female, All Groups	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500
Retired Migration, Female, All Groups	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100
Retired Migration, Female, All Groups	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000
Retired Migration, Female, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
REMI Econ Migration Number	10.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500
	729,900	744,440	757,100	769,880	782,250	794,330			
	729,900	744,440	757,100	769,880	782,250	794,330			
<b>Calculation for number of economic migran</b>									
	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Rest of Nevada: Demographer Projections	729.900	744.440	757.100	769.880	782.250	794.330			
REMI projections after employment updates	669.247	676.924	684.644	692.423	700.272	708.221	716.281	724.469	732.756
Difference (Demographer less REMI)	60.653	67.516	72.456	77.457	81.978	86.109			
REMI Econ Migration Number	10.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500
Test results: Rest NV pop output after siml	730.138	744.018	757.168	769.837	782.126	794.151	806.022	817.807	829.518
Test difference: NSDO less econ mig adjusted REMI	-0.238	0.422	-0.068	0.043	0.124	0.179	-806.022	-817.807	-829.518

### Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada									
<b>Variable Description</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>Policy Variable Inputs*</b>									
Retired Migration, Male, All Groups	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800	13.8800
Retired Migration, Male, All Groups	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300
Retired Migration, Male, All Groups	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200
Retired Migration, Male, All Groups	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200
Retired Migration, Female, All Groups	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500
Retired Migration, Female, All Groups	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100
Retired Migration, Female, All Groups	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000
Retired Migration, Female, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
REMI Econ Migration Number	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500
<b>Calculation for number of economic migran</b>									
	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Rest of Nevada: Demographer Projections									
REMI projections after employment updates	741.155	749.666	758.257	766.934	775.714	784.604	793.593	802.64	811.721
Difference (Demographer less REMI)									
REMI Econ Migration Number	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500	13.500
Test results: Rest NV pop output after siml	841.185	852.79	864.319	875.782	887.234	898.594	909.863	921.2	932.391
Test difference: NSDO less econ mig adjusted REMI	-841.185	-852.790	-864.319	-875.782	-887.234	-898.594	-909.863	-921.200	-932.391

# Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada					
<b>Variable Description</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
<b>Policy Variable Inputs*</b>					
Retired Migration, Male, All Groups	13.8800	13.8800	13.8800	13.8800	13.8800
Retired Migration, Male, All Groups	-32.8300	-32.8300	-32.8300	-32.8300	-32.8300
Retired Migration, Male, All Groups	-74.1200	-74.1200	-74.1200	-74.1200	-74.1200
Retired Migration, Male, All Groups	-36.2800	-36.2800	-36.2800	-36.2800	-36.2800
Retired Migration, Male, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000
Retired Migration, Female, All Groups	-31.4200	-31.4200	-31.4200	-31.4200	-31.4200
Retired Migration, Female, All Groups	-68.6500	-68.6500	-68.6500	-68.6500	-68.6500
Retired Migration, Female, All Groups	-81.1100	-81.1100	-81.1100	-81.1100	-81.1100
Retired Migration, Female, All Groups	-50.8000	-50.8000	-50.8000	-50.8000	-50.8000
Retired Migration, Female, All Groups	0.0000	0.0000	0.0000	0.0000	0.0000
REMI Econ Migration Number	13.500	13.500	13.500	13.500	13.500
<b>Calculation for number of economic migran</b>					
	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Rest of Nevada: Demographer Projections					
REMI projections after employment updates	820.884	830.163	839.553	849.005	858.458
Difference (Demographer less REMI)					
REMI Econ Migration Number	13.500	13.500	13.500	13.500	13.500
Test results: Rest NV pop output after siml	943.674	954.983	966.413	977.905	989.288
Test difference: NSDO less econ mig adjusted REMI	-943.674	-954.983	-966.413	-977.905	-989.288

## Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>Clark County</b>							
<b>Adjusted Regional Control</b>							
<b>Levels (after DETR update)</b>							
<b>Clark County</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
Total Emp (Thous)	753.705	774.065	789.805	805.405	820.559	832.397	845.346
Population (Thous)	1164.163	1221.675	1275.413	1326.309	1374.468	1419.83	1462.629
GRP (Bil 92\$)	33.793	35.083	35.857	36.839	37.504	38.182	38.921
State & Local Gov Spending (Bil 92\$)	2.907	3.109	3.308	3.498	3.686	3.865	4.042
Real Disp Pers Inc (Bil 92\$)	22.601	23.749	24.574	25.47	26.364	27.22	28.094
Residential Investment (Bil 92\$)	2.488	2.54	2.442	2.438	2.386	2.337	2.3
Opt Res Capital Stock (Bil 92\$)	41.838	43.979	45.088	46.747	48.035	49.27	50.528
Act Res Capital Stock (Bil 92\$)	26.656	28.484	30.195	31.876	33.485	35.023	36.505
Exog Emp (Thous)	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0
Manufacturing	21.171	21.099	20.852	20.772	20.798	20.79	20.84
Mining	1.619	1.567	1.475	1.496	1.49	1.515	1.543
Construction	76.738	77.757	77.398	76.55	76.683	75.78	75.065
Trans./Public Util.	36.437	37.094	37.543	37.988	38.45	38.752	39.131
Fin/Ins/Real Est	58.708	59.827	60.74	61.841	62.593	63.267	64.05
Retail Trade	124.38	127.756	129.713	131.413	133.297	134.259	135.183
Wholesale Trade	22.939	23.496	23.968	24.278	24.785	25.156	25.566
Services	330.507	340.558	350.112	360.349	369.148	377.155	385.897
Agri/For/Fish Serv	8.812	8.872	8.933	8.986	9.036	9.048	9.089
State and Local	54.967	57.913	60.648	63.16	65.555	67.802	69.959
Federal Civilian	8.034	8.095	8.123	8.115	8.107	8.099	8.09
Federal Military	9.036	9.68	9.952	10.115	10.28	10.44	10.608
Farm	0.356	0.351	0.347	0.342	0.337	0.333	0.328
Hotels	154.479	157.436	160.132	163.365	166.053	168.544	171.482
Amusem & Recr	21.647	22.626	23.639	24.67	25.534	26.35	27.21
Eating & Drinking	40.878	41.844	42.83	43.856	44.979	45.857	46.798
<b>Migrants</b>							
Total Migrants	47.097	45.796	42.343	39.336	36.147	33.075	30.255

# Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Total Emp (Thous)	859.542	873.987	885.391	899.03	913.152	927.418	941.533	954.365
Population (Thous)	1503.435	1542.23	1579.807	1616.939	1654.132	1691.248	1728.188	1764.607
GRP (Bil 92\$)	39.7	40.503	41.338	42.231	43.159	44.098	45.038	45.919
State & Local Gov Spending (Bil 92\$)	4.212	4.377	4.53	4.681	4.836	4.989	5.141	5.286
Real Disp Pers Inc (Bil 92\$)	28.966	29.846	30.71	31.597	32.508	33.419	34.329	35.139
Residential Investment (Bil 92\$)	2.282	2.274	2.268	2.276	2.29	2.309	2.328	2.333
Opt Res Capital Stock (Bil 92\$)	51.858	53.222	54.569	55.993	57.437	58.908	60.375	61.736
Act Res Capital Stock (Bil 92\$)	37.947	39.359	40.744	42.114	43.475	44.83	46.182	47.515
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	20.903	21.014	21.112	21.179	21.258	21.338	21.409	21.463
Mining	1.571	1.628	1.594	1.559	1.527	1.495	1.464	1.433
Construction	74.702	74.618	74.47	74.591	74.832	75.165	75.529	75.752
Trans./Public Util.	39.555	40.004	40.396	40.794	41.211	41.636	42.053	42.429
Fin/Ins/Real Est	64.911	65.842	65.872	66.047	66.256	66.47	66.675	66.789
Retail Trade	136.242	136.758	137.377	139.257	141.195	143.165	145.087	146.678
Wholesale Trade	26.007	26.41	26.713	27.078	27.451	27.818	28.17	28.471
Services	395.342	405.225	413.283	421.889	430.706	439.607	448.439	456.889
Agri/For/Fish Serv	9.142	9.21	9.358	9.521	9.694	9.875	10.057	10.224
State and Local	71.995	73.952	75.736	77.496	79.266	80.972	82.658	84.165
Federal Civilian	8.082	8.074	8.139	8.2	8.258	8.306	8.352	8.379
Federal Military	10.768	10.933	11.025	11.106	11.189	11.264	11.336	11.393
Farm	0.323	0.319	0.316	0.312	0.309	0.306	0.303	0.3
Hotels	174.781	178.353	181.555	185.841	190.246	194.69	199.118	203.471
Amusem & Recr	28.114	29.048	29.678	30.222	30.78	31.344	31.907	32.439
Eating & Drinking	47.854	48.772	49.548	50.48	51.459	52.479	53.514	54.463
<b>Migrants</b>								
Total Migrants	28.076	25.906	24.729	24.232	24.226	24.085	23.795	23.099



# Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Total Emp (Thous)	966.409	978.099	989.449	1000.536	1011.693	1022.597	1033.399	1043.777
Population (Thous)	1800.227	1835.068	1869.167	1902.66	1935.734	1968.46	2000.985	2033.41
GRP (Bil 92\$)	46.768	47.615	48.453	49.285	50.137	50.969	51.811	52.632
State & Local Gov Spending (Bil 92\$)	5.427	5.566	5.702	5.834	5.967	6.093	6.22	6.343
Real Disp Pers Inc (Bil 92\$)	35.915	36.703	37.479	38.244	39.031	39.784	40.551	41.278
Residential Investment (Bil 92\$)	2.333	2.335	2.338	2.342	2.351	2.361	2.371	2.38
Opt Res Capital Stock (Bil 92\$)	63.053	64.358	65.652	66.936	68.235	69.533	70.822	72.086
Act Res Capital Stock (Bil 92\$)	48.829	50.122	51.399	52.658	53.905	55.141	56.367	57.581
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	21.501	21.52	21.529	21.527	21.515	21.497	21.477	21.442
Mining	1.402	1.369	1.338	1.308	1.277	1.248	1.22	1.191
Construction	75.931	76.082	76.211	76.339	76.512	76.69	76.893	77.063
Trans./Public Util.	42.767	43.083	43.384	43.665	43.955	44.228	44.498	44.751
Fin/Ins/Real Est	66.852	66.908	66.945	66.968	67.009	67.027	67.05	67.048
Retail Trade	148.079	149.392	150.625	151.788	152.957	154.064	155.126	156.083
Wholesale Trade	28.744	28.989	29.208	29.405	29.592	29.75	29.896	30.016
Services	464.992	472.979	480.904	488.75	496.677	504.53	512.307	519.943
Agri/For/Fish Serv	10.383	10.542	10.701	10.859	11.023	11.185	11.348	11.508
State and Local	85.618	87.031	88.347	89.625	90.835	92.01	93.185	94.318
Federal Civilian	8.402	8.421	8.432	8.441	8.443	8.444	8.443	8.439
Federal Military	11.441	11.49	11.533	11.572	11.612	11.642	11.674	11.698
Farm	0.297	0.294	0.291	0.288	0.285	0.282	0.28	0.277
Hotels	207.727	211.955	216.195	220.45	224.758	229.072	233.396	237.702
Amusem & Recr	32.947	33.449	33.95	34.445	34.948	35.444	35.941	36.429
Eating & Drinking	55.373	56.279	57.182	58.084	59.011	59.939	60.873	61.789
<b>Migrants</b>								
Total Migrants	22.013	20.836	19.627	18.489	17.479	16.537	15.739	15.096

## Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Total Emp (Thous)	1054.125	1064.73	1075.348	1086.38	1097.567	1109.16	1121.769	1134.968
Population (Thous)	2065.942	2098.832	2132.027	2165.583	2199.584	2234.215	2269.723	2306.078
GRP (Bil 92\$)	53.462	54.33	55.197	56.099	57.011	57.952	58.984	60.041
State & Local Gov Spending (Bil 92\$)	6.467	6.598	6.728	6.863	6.999	7.138	7.291	7.448
Real Disp Pers Inc (Bil 92\$)	42.028	42.826	43.602	44.425	45.252	46.137	47.158	48.192
Residential Investment (Bil 92\$)	2.394	2.41	2.425	2.448	2.475	2.514	2.564	2.619
Opt Res Capital Stock (Bil 92\$)	73.376	74.677	75.966	77.299	78.666	80.122	81.671	83.28
Act Res Capital Stock (Bil 92\$)	58.788	59.99	61.186	62.383	63.585	64.803	66.046	67.318
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	21.403	21.36	21.315	21.272	21.231	21.184	21.145	21.117
Mining	1.163	1.136	1.11	1.086	1.062	1.039	1.017	0.996
Construction	77.285	77.535	77.771	78.094	78.461	78.937	79.512	80.121
Trans./Public Util.	44.996	45.258	45.519	45.795	46.079	46.375	46.707	47.066
Fin/Ins/Real Est	67.054	67.102	67.15	67.232	67.331	67.455	67.676	67.927
Retail Trade	157.044	158.031	158.973	159.997	161.05	162.23	163.613	165.089
Wholesale Trade	30.128	30.236	30.327	30.422	30.511	30.606	30.718	30.826
Services	527.466	535.112	542.795	550.598	558.445	566.335	574.617	583.198
Agri/For/Fish Serv	11.67	11.839	12.007	12.184	12.365	12.556	12.764	12.982
State and Local	95.484	96.665	97.898	99.184	100.488	101.87	103.372	104.963
Federal Civilian	8.436	8.431	8.429	8.43	8.43	8.432	8.438	8.448
Federal Military	11.722	11.755	11.785	11.819	11.85	11.882	11.932	11.98
Farm	0.274	0.271	0.269	0.266	0.263	0.261	0.258	0.255
Hotels	241.969	246.277	250.623	255.008	259.397	263.753	268.204	272.746
Amusem & Recr	36.917	37.42	37.931	38.457	38.994	39.544	40.137	40.754
Eating & Drinking	62.726	63.692	64.66	65.68	66.73	67.849	69.071	70.35
<b>Migrants</b>								
Total Migrants	14.677	14.521	14.373	14.295	14.346	14.617	15.137	15.69

# Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>Clark County</b>							
<b>Adjusted Regional Control</b>							
<b>Levels (after DETR update)</b>							
<b>Clark County</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	1148.659	1162.636	1177.124	1192.467	1208.426	1224.596	1240.774
Population (Thous)	2343.174	2380.956	2419.462	2458.893	2499.206	2540.181	2581.58
GRP (Bil 92\$)	61.136	62.246	63.399	64.635	65.902	67.198	68.487
State & Local Gov Spending (Bil 92\$)	7.611	7.774	7.945	8.13	8.321	8.517	8.715
Real Disp Pers Inc (Bil 92\$)	49.276	50.383	51.567	52.867	54.181	55.522	56.833
Residential Investment (Bil 92\$)	2.678	2.741	2.813	2.889	2.967	3.038	3.104
Opt Res Capital Stock (Bil 92\$)	84.941	86.667	88.484	90.375	92.32	94.265	96.215
Act Res Capital Stock (Bil 92\$)	68.621	69.961	71.342	72.769	74.242	75.754	77.301
Exog Emp (Thous)	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0
Manufacturing	21.091	21.056	21.033	21.008	20.998	20.99	20.977
Mining	0.976	0.957	0.938	0.921	0.905	0.889	0.874
Construction	80.803	81.526	82.321	83.162	84.018	84.861	85.685
Trans./Public Util.	47.446	47.837	48.24	48.686	49.156	49.634	50.121
Fin/Ins/Real Est	68.215	68.515	68.86	69.272	69.72	70.185	70.644
Retail Trade	166.653	168.284	170.042	171.95	173.931	175.897	177.813
Wholesale Trade	30.937	31.042	31.158	31.288	31.423	31.551	31.666
Services	591.944	600.78	609.755	619.137	628.873	638.771	648.739
Agri/For/Fish Serv	13.208	13.441	13.684	13.942	14.209	14.478	14.748
State and Local	106.638	108.387	110.215	112.139	114.148	116.202	118.285
Federal Civilian	8.462	8.478	8.494	8.511	8.53	8.549	8.568
Federal Military	12.032	12.083	12.137	12.206	12.275	12.349	12.418
Farm	0.253	0.25	0.248	0.245	0.243	0.241	0.238
Hotels	277.345	281.953	286.569	291.321	296.208	301.227	306.321
Amusem & Recr	41.395	42.048	42.723	43.437	44.177	44.936	45.698
Eating & Drinking	71.689	73.079	74.546	76.102	77.713	79.347	80.982
<b>Migrants</b>							
Total Migrants	16.128	16.523	16.932	17.491	17.997	18.225	18.19

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Clark County	1998	1999	2000	2001	2002	2003	2004
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment</b>							
Total Emp (Thous)	0.06311	22.82	25.37	23.94	24.45	25.4	25.79
Population (Thous)	0.1219	5.303	12.73	18.42	23.32	27.9	32.02
GRP (Bil 92\$)	0.002617	0.8808	0.9836	0.9321	0.9474	0.9823	0.9947
State & Local Gov Spending (Bil 92\$)	0.0002811	0.01246	0.0305	-0.02054	-0.007607	0.004829	0.01649
Real Disp Pers Inc (Bil 92\$)	0.005699	0.4486	0.5449	0.5511	0.5906	0.6383	0.6747
Residential Investment (Bil 92\$)	0.001338	0.1052	0.1135	0.1011	0.0971	0.09566	0.0919
Opt Res Capital Stock (Bil 92\$)	0.01056	0.8307	0.9997	1.012	1.076	1.155	1.213
Act Res Capital Stock (Bil 92\$)	0.001339	0.1065	0.2183	0.3158	0.4079	0.497	0.581
Exog Emp (Thous)	0	13.69	15.57	16.29	17.17	18.25	18.88
Exog Prod (Bil 92\$)	0	0.7899	0.8846	0.9194	0.9508	0.9947	1.014
Manufacturing	-0.0004349	0.09777	0.07877	0.04428	0.01912	0.000679	-0.01587
Mining	-1.96E-05	0.0007968	0.001133	0.001116	0.001026	0.0008116	0.0005196
Construction	0.01124	2.126	2.294	2.347	2.265	2.205	2.096
Trans./Public Util.	-0.000145	0.3178	0.3294	0.2659	0.245	0.2337	0.2187
Fin/Ins/Real Est	0.00415	0.6688	0.7245	0.6535	0.6356	0.6365	0.6263
Retail Trade	0.02124	2.211	2.425	2.223	2.18	2.182	2.143
Wholesale Trade	0.001486	0.3789	0.4305	0.3967	0.3913	0.3929	0.3847
Services	0.01877	16.55	18.27	18.01	18.47	19.29	19.67
Agri/For/Fish Serv	0.001215	0.2349	0.2541	0.2347	0.2319	0.2333	0.2307
State and Local	0.00563	0.2458	0.5918	-0.2043	0.03687	0.2632	0.4694
Federal Civilian	0	-0.0125	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	0.001556	13.24	14.59	14.44	14.9	15.64	16.01
Amusem & Recr	0.0007019	0.1062	0.112	0.09891	0.09236	0.08911	0.08445
Eating & Drinking	0.004784	0.6102	0.663	0.604	0.5917	0.5945	0.5877

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Clark County	2005	2006	2007	2008	2009	2010	2011	2012
Changes caused by simulation (UNLV up)								
Total Emp (Thous)	25.78	24.95	25.04	25.26	25.6	26.01	27.1	27.51
Population (Thous)	35.55	38.37	40.75	42.89	44.81	46.56	48.24	49.83
GRP (Bil 92\$)	0.9909	0.9517	0.9593	0.969	0.9837	1.001	1.05	1.069
State & Local Gov Spending (Bil 92\$)	0.0268	-0.01876	-0.01142	-0.004621	0.001717	0.007579	0.07538	0.08072
Real Disp Pers Inc (Bil 92\$)	0.7019	0.7111	0.7411	0.7736	0.8098	0.8477	0.9004	0.9371
Residential Investment (Bil 92\$)	0.08688	0.07863	0.07631	0.07508	0.07488	0.07528	0.07904	0.07908
Opt Res Capital Stock (Bil 92\$)	1.257	1.268	1.317	1.371	1.431	1.494	1.584	1.646
Act Res Capital Stock (Bil 92\$)	0.6586	0.7268	0.7915	0.8541	0.9154	0.9761	1.04	1.102
Exog Emp (Thous)	19.14	19.46	19.45	19.45	19.44	19.44	19.1	19.1
Exog Prod (Bil 92\$)	1.013	1.022	1.024	1.022	1.02	1.018	0.9896	0.9873
Manufacturing	-0.02911	-0.03715	-0.03849	-0.03581	-0.0309	-0.02477	-0.02016	-0.01447
Mining	0.0002066	-7.16E-05	-7.95E-05	-4.59E-05	9.30E-06	7.51E-05	-0.0001094	-0.0001749
Construction	1.963	2.054	1.974	1.916	1.88	1.858	1.606	1.595
Trans./Public Util.	0.2033	0.1695	0.1693	0.1729	0.18	0.1893	0.2209	0.2301
Fin/Ins/Real Est	0.6096	0.5747	0.5703	0.5724	0.5808	0.5929	0.6239	0.6369
Retail Trade	2.085	2.005	2.006	2.049	2.117	2.199	2.309	2.393
Wholesale Trade	0.3702	0.3491	0.3398	0.3359	0.3365	0.3402	0.3485	0.3539
Services	19.74	19.69	19.76	19.87	20.05	20.26	20.4	20.63
Agri/For/Fish Serv	0.2247	0.2146	0.2157	0.218	0.2219	0.2268	0.2361	0.2413
State and Local	0.6474	-0.0412	0.08418	0.1977	0.3013	0.3952	1.403	1.478
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	16.1	16.01	16	16.02	16.08	16.16	16.24	16.32
Amusem & Recr	0.07979	0.07775	0.07999	0.08429	0.0906	0.09808	0.104	0.1098
Eating & Drinking	0.578	0.5648	0.5731	0.5914	0.6187	0.6518	0.693	0.7278

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Clark County	2013	2014	2015	2016	2017	2018	2019	2020
<b>Changes caused by simulation (UNLV upr</b>								
Total Emp (Thous)	27.91	28.3	28.68	29.03	29.34	29.6	29.82	30
Population (Thous)	51.23	52.47	53.55	54.47	55.22	55.81	56.25	56.56
GRP (Bil 92\$)	1.087	1.105	1.123	1.14	1.156	1.17	1.182	1.192
State & Local Gov Spending (Bil 92\$)	0.08551	0.08988	0.09376	0.09719	0.1002	0.1025	0.1045	0.1059
Real Disp Pers Inc (Bil 92\$)	0.9734	1.01	1.045	1.08	1.113	1.141	1.168	1.193
Residential Investment (Bil 92\$)	0.07919	0.07934	0.0794	0.07936	0.07911	0.07814	0.07695	0.07558
Opt Res Capital Stock (Bil 92\$)	1.709	1.771	1.831	1.89	1.946	1.995	2.041	2.083
Act Res Capital Stock (Bil 92\$)	1.164	1.225	1.285	1.344	1.401	1.457	1.511	1.563
Exog Emp (Thous)	19.09	19.09	19.09	19.09	19.08	19.08	19.08	19.08
Exog Prod (Bil 92\$)	0.985	0.983	0.981	0.9791	0.9773	0.9755	0.9738	0.972
Manufacturing	-0.0089	-0.003609	0.001265	0.005783	0.009735	0.01296	0.01565	0.01779
Mining	-0.0002338	-0.0002887	-0.0003392	-0.0003865	-0.0004336	-0.0004836	-0.000534	-0.0005862
Construction	1.587	1.581	1.574	1.567	1.558	1.542	1.525	1.506
Trans./Public Util.	0.2394	0.2485	0.2573	0.2654	0.2729	0.2786	0.2835	0.2873
Fin/Ins/Real Est	0.6499	0.6629	0.6752	0.6867	0.6969	0.7041	0.71	0.7143
Retail Trade	2.477	2.561	2.642	2.72	2.794	2.854	2.908	2.954
Wholesale Trade	0.3597	0.3656	0.3712	0.3764	0.381	0.3843	0.3869	0.3888
Services	20.85	21.07	21.28	21.49	21.68	21.85	21.99	22.12
Agri/For/Fish Serv	0.2465	0.2517	0.2567	0.2616	0.2662	0.2699	0.2732	0.2761
State and Local	1.542	1.599	1.647	1.687	1.718	1.741	1.757	1.766
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	16.4	16.47	16.54	16.6	16.66	16.71	16.75	16.78
Amusem & Recr	0.1156	0.1213	0.1269	0.1324	0.1376	0.1417	0.1455	0.1487
Eating & Drinking	0.764	0.8013	0.8385	0.8757	0.9123	0.9447	0.9757	1.005

### Attachment 5. Implementing Alternative Baseline, Clark County Output

Clark County	2021	2022	2023	2024	2025	2026	2027	2028
<b>Changes caused by simulation (UNLV upc</b>								
Total Emp (Thous)	30.68	30.77	30.81	30.81	30.77	30.68	30.58	30.45
Population (Thous)	56.86	57.08	57.17	57.14	57	56.77	56.47	56.08
GRP (Bil 92\$)	1.227	1.235	1.241	1.244	1.246	1.246	1.246	1.245
State & Local Gov Spending (Bil 92\$)	0.165	0.1663	0.1672	0.1679	0.1682	0.1682	0.1682	0.1679
Real Disp Pers Inc (Bil 92\$)	1.228	1.252	1.271	1.289	1.304	1.316	1.332	1.344
Residential Investment (Bil 92\$)	0.07697	0.07526	0.07317	0.07094	0.06848	0.06587	0.06375	0.06149
Opt Res Capital Stock (Bil 92\$)	2.145	2.182	2.215	2.243	2.267	2.286	2.306	2.323
Act Res Capital Stock (Bil 92\$)	1.615	1.665	1.711	1.755	1.796	1.833	1.868	1.9
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9433	0.9419	0.9405	0.9391	0.9377	0.9364	0.9353	0.9342
Manufacturing	0.01765	0.0183	0.01822	0.01759	0.01645	0.0149	0.01301	0.01065
Mining	-7.34E-04	-7.94E-04	-8.58E-04	-0.0009245	-0.0009926	-0.001063	-0.001132	-0.001206
Construction	1.258	1.239	1.215	1.19	1.161	1.131	1.104	1.074
Trans./Public Util.	0.3091	0.3106	0.3106	0.3095	0.3071	0.3036	0.2999	0.295
Fin/Ins/Real Est	0.7304	0.732	0.7311	0.7286	0.7242	0.7181	0.7123	0.7048
Retail Trade	3.01	3.045	3.07	3.087	3.095	3.096	3.099	3.095
Wholesale Trade	0.3921	0.3927	0.3918	0.3899	0.3868	0.383	0.379	0.3739
Services	22.14	22.21	22.26	22.28	22.28	22.25	22.21	22.14
Agri/For/Fish Serv	0.2816	0.2836	0.285	0.2858	0.2861	0.2858	0.2856	0.2849
State and Local	2.569	2.57	2.566	2.558	2.546	2.53	2.514	2.495
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	16.8	16.8	16.8	16.78	16.76	16.73	16.68	16.63
Amusem & Recr	0.1495	0.1502	0.1498	0.1487	0.1467	0.144	0.1413	0.138
Eating & Drinking	1.036	1.061	1.083	1.103	1.12	1.134	1.149	1.161

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Clark County	2029	2030	2031	2032	2033	2034	2035
Changes caused by simulation (UNLV up)							
Total Emp (Thous)	30.28	30.07	29.84	29.57	29.26	28.91	28.55
Population (Thous)	55.59	55	54.3	53.49	52.57	51.56	50.45
GRP (Bil 92\$)	1.242	1.237	1.231	1.224	1.215	1.204	1.192
State & Local Gov Spending (Bil 92\$)	0.1674	0.1665	0.1654	0.164	0.1623	0.1603	0.1579
Real Disp Pers Inc (Bil 92\$)	1.355	1.364	1.373	1.383	1.389	1.393	1.395
Residential Investment (Bil 92\$)	0.05918	0.05697	0.05481	0.0528	0.05047	0.04799	0.04564
Opt Res Capital Stock (Bil 92\$)	2.336	2.347	2.356	2.363	2.366	2.365	2.362
Act Res Capital Stock (Bil 92\$)	1.929	1.955	1.979	2	2.019	2.035	2.048
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9331	0.9319	0.9308	0.9299	0.929	0.9281	0.927
Manufacturing	0.007921	0.004854	0.00141	-0.002304	-0.006468	-0.01089	-0.01544
Mining	-0.001278	-0.001353	-0.00143	-0.001505	-0.001584	-0.001661	-0.001737
Construction	1.043	1.011	0.9798	0.9477	0.9118	0.8747	0.8382
Trans./Public Util.	0.2893	0.2827	0.2753	0.2674	0.2583	0.2483	0.2379
Fin/Ins/Real Est	0.6962	0.6864	0.6754	0.6639	0.6505	0.6359	0.6205
Retail Trade	3.087	3.074	3.059	3.042	3.017	2.985	2.951
Wholesale Trade	0.3681	0.3618	0.3549	0.3476	0.3392	0.33	0.3205
Services	22.06	21.95	21.83	21.68	21.5	21.3	21.1
Agri/For/Fish Serv	0.2837	0.2822	0.2803	0.2783	0.2755	0.2723	0.2689
State and Local	2.473	2.448	2.418	2.384	2.347	2.305	2.259
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	16.56	16.49	16.4	16.31	16.2	16.09	15.96
Amusem & Recr	0.1341	0.1298	0.1252	0.1203	0.1146	0.1084	0.102
Eating & Drinking	1.172	1.181	1.19	1.197	1.202	1.203	1.204



### Attachment 5. Implementing Alternative Baseline, Clark County Output

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment							
Clark County	1998	1999	2000	2001	2002	2003	2004
Total Emp (Thous)	753.76811	796.885	815.175	829.345	845.009	857.797	871.136
Population (Thous)	1164.2849	1226.978	1288.143	1344.729	1397.788	1447.73	1494.649
GRP (Bil 92\$)	33.795617	35.9638	36.8406	37.7711	38.4514	39.1643	39.9157
State & Local Gov Spending (Bil 92\$)	2.9072811	3.12146	3.3385	3.47746	3.678393	3.869829	4.05849
Real Disp Pers Inc (Bil 92\$)	22.606699	24.1976	25.1189	26.0211	26.9546	27.8583	28.7687
Residential Investment (Bil 92\$)	2.489338	2.6452	2.5555	2.5391	2.4831	2.43266	2.3919
Opt Res Capital Stock (Bil 92\$)	41.84856	44.8097	46.0877	47.759	49.111	50.425	51.741
Act Res Capital Stock (Bil 92\$)	26.657339	28.5905	30.4133	32.1918	33.8929	35.52	37.086
Exog Emp (Thous)	0	13.69	15.57	16.29	17.17	18.25	18.88
Exog Prod (Bil 92\$)	0	0.7899	0.8846	0.9194	0.9508	0.9947	1.014
Manufacturing	21.1705651	21.19677	20.93077	20.81628	20.81712	20.790679	20.82413
Mining	1.61898045	1.5677968	1.476133	1.497116	1.491026	1.5158116	1.5435196
Construction	76.74924	79.883	79.692	78.897	78.948	77.985	77.161
Trans./Public Util.	36.436855	37.4118	37.8724	38.2539	38.695	38.9857	39.3497
Fin/Ins/Real Est	58.71215	60.4958	61.4645	62.4945	63.2286	63.9035	64.6763
Retail Trade	124.40124	129.967	132.138	133.636	135.477	136.441	137.326
Wholesale Trade	22.940486	23.8749	24.3985	24.6747	25.1763	25.5489	25.9507
Services	330.52577	357.108	368.382	378.359	387.618	396.445	405.567
Agri/For/Fish Serv	8.813215	9.1069	9.1871	9.2207	9.2679	9.2813	9.3197
State and Local	54.97263	58.1588	61.2398	62.9557	65.59187	68.0652	70.4284
Federal Civilian	8.034	8.0825	8.0922	8.0842	8.0762	8.0682	8.0592
Federal Military	9.036	9.68	9.952	10.115	10.28	10.44	10.608
Farm	0.356	0.351	0.347	0.342	0.337	0.333	0.328
Hotels	154.480556	170.676	174.722	177.805	180.953	184.184	187.492
Amusem & Recr	21.6477019	22.7322	23.751	24.76891	25.62636	26.43911	27.29445
Eating & Drinking	40.882784	42.4542	43.493	44.46	45.5707	46.4515	47.3857
Population Changes & Levels							
Test results: Cl cnty pop changes after siml Change (1000)	82.46	99.64	107.7	113.3	117.8	122.2	126.2
Test results: Cl cnty pop output after siml Level (1000)	1246.623	1321.315	1383.113	1439.609	1492.268	1542.03	1588.829

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Levels after simulation (UNLV update + m)								
Clark County	2005	2006	2007	2008	2009	2010	2011	2012
Total Emp (Thous)	885.322	898.937	910.431	924.29	938.752	953.428	968.633	981.875
Population (Thous)	1538.985	1580.6	1620.557	1659.829	1698.942	1737.808	1776.428	1814.437
GRP (Bil 92\$)	40.6909	41.4547	42.2973	43.2	44.1427	45.099	46.088	46.988
State & Local Gov Spending (Bil 92\$)	4.2388	4.35824	4.51858	4.676379	4.837717	4.996579	5.21638	5.36672
Real Disp Pers Inc (Bil 92\$)	29.6679	30.5571	31.4511	32.3706	33.3178	34.2667	35.2294	36.0761
Residential Investment (Bil 92\$)	2.36888	2.35263	2.34431	2.35108	2.36488	2.38428	2.40704	2.41208
Opt Res Capital Stock (Bil 92\$)	53.115	54.49	55.886	57.364	58.868	60.402	61.959	63.382
Act Res Capital Stock (Bil 92\$)	38.6056	40.0858	41.5355	42.9681	44.3904	45.8061	47.222	48.617
Exog Emp (Thous)	19.14	19.46	19.45	19.45	19.44	19.44	19.1	19.1
Exog Prod (Bil 92\$)	1.013	1.022	1.024	1.022	1.02	1.018	0.9896	0.9873
Manufacturing	20.87389	20.97685	21.07351	21.14319	21.2271	21.31323	21.38884	21.44853
Mining	1.5712066	1.62792836	1.59392049	1.5589541	1.5270093	1.4950751	1.4638906	1.4328251
Construction	76.665	76.672	76.444	76.507	76.712	77.023	77.135	77.347
Trans./Public Util.	39.7583	40.1735	40.5653	40.9669	41.391	41.8253	42.2739	42.6591
Fin/Ins/Real Est	65.5206	66.4167	66.4423	66.6194	66.8368	67.0629	67.2989	67.4259
Retail Trade	138.327	138.763	139.383	141.306	143.312	145.364	147.396	149.071
Wholesale Trade	26.3772	26.7591	27.0528	27.4139	27.7875	28.1582	28.5185	28.8249
Services	415.082	424.915	433.043	441.759	450.756	459.867	468.839	477.519
Agri/For/Fish Serv	9.3667	9.4246	9.5737	9.739	9.9159	10.1018	10.2931	10.4653
State and Local	72.6424	73.9108	75.82018	77.6937	79.5673	81.3672	84.061	85.643
Federal Civilian	8.0512	8.0432	8.1082	8.1692	8.2272	8.2752	8.3212	8.3482
Federal Military	10.768	10.933	11.025	11.106	11.189	11.264	11.336	11.393
Farm	0.323	0.319	0.316	0.312	0.309	0.306	0.303	0.3
Hotels	190.881	194.363	197.555	201.861	206.326	210.85	215.358	219.791
Amusem & Recr	28.19379	29.12575	29.75799	30.30629	30.8706	31.44208	32.011	32.5488
Eating & Drinking	48.432	49.3368	50.1211	51.0714	52.0777	53.1308	54.207	55.1908
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000)	130.5	134.2	137.5	140.7	143.3	145.3	147.1	148.1
Test results: Cl cnty pop output after siml Level (1000)	1633.935	1676.43	1717.307	1757.639	1797.432	1836.548	1875.288	1912.707

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Levels after simulation (UNLV update + m)								
Clark County	2013	2014	2015	2016	2017	2018	2019	2020
Total Emp (Thous)	994.319	1006.399	1018.129	1029.566	1041.033	1052.197	1063.219	1073.777
Population (Thous)	1851.457	1887.538	1922.717	1957.13	1990.954	2024.27	2057.235	2089.97
GRP (Bil 92\$)	47.855	48.72	49.576	50.425	51.293	52.139	52.993	53.824
State & Local Gov Spending (Bil 92\$)	5.51251	5.65588	5.79576	5.93119	6.0672	6.1955	6.3245	6.4489
Real Disp Pers Inc (Bil 92\$)	36.8884	37.713	38.524	39.324	40.144	40.925	41.719	42.471
Residential Investment (Bil 92\$)	2.41219	2.41434	2.4174	2.42136	2.43011	2.43914	2.44795	2.45558
Opt Res Capital Stock (Bil 92\$)	64.762	66.129	67.483	68.826	70.181	71.528	72.863	74.169
Act Res Capital Stock (Bil 92\$)	49.993	51.347	52.684	54.002	55.306	56.598	57.878	59.144
Exog Emp (Thous)	19.09	19.09	19.09	19.09	19.08	19.08	19.08	19.08
Exog Prod (Bil 92\$)	0.985	0.983	0.981	0.9791	0.9773	0.9755	0.9738	0.972
Manufacturing	21.4921	21.516391	21.530265	21.532783	21.524735	21.50996	21.49265	21.45979
Mining	1.4017662	1.3687113	1.3376608	1.3076135	1.2765664	1.2475164	1.219466	1.1904138
Construction	77.518	77.663	77.785	77.906	78.07	78.232	78.418	78.569
Trans./Public Util.	43.0064	43.3315	43.6413	43.9304	44.2279	44.5066	44.7815	45.0383
Fin/Ins/Real Est	67.5019	67.5709	67.6202	67.6547	67.7059	67.7311	67.76	67.7623
Retail Trade	150.556	151.953	153.267	154.508	155.751	156.918	158.034	159.037
Wholesale Trade	29.1037	29.3546	29.5792	29.7814	29.973	30.1343	30.2829	30.4048
Services	485.842	494.049	502.184	510.24	518.357	526.38	534.297	542.063
Agri/For/Fish Serv	10.6295	10.7937	10.9577	11.1206	11.2892	11.4549	11.6212	11.7841
State and Local	87.16	88.63	89.994	91.312	92.553	93.751	94.942	96.084
Federal Civilian	8.3712	8.3902	8.4012	8.4102	8.4122	8.4132	8.4122	8.4082
Federal Military	11.441	11.49	11.533	11.572	11.612	11.642	11.674	11.698
Farm	0.297	0.294	0.291	0.288	0.285	0.282	0.28	0.277
Hotels	224.127	228.425	232.735	237.05	241.418	245.782	250.146	254.482
Amusem & Recr	33.0626	33.5703	34.0769	34.5774	35.0856	35.5857	36.0865	36.5777
Eating & Drinking	56.137	57.0803	58.0205	58.9597	59.9233	60.8837	61.8487	62.794
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000)	148.6	148.4	147.9	146.8	145.8	144.4	142.7	140.8
Test results: Cl cnty pop output after siml Level (1000)	1948.827	1983.468	2017.067	2049.46	2081.534	2112.86	2143.685	2174.21

### Attachment 5. Implementing Alternative Baseline, Clark County Output

Levels after simulation (UNLV update + m								
Clark County	2021	2022	2023	2024	2025	2026	2027	2028
Total Emp (Thous)	1084.805	1095.5	1106.158	1117.19	1128.337	1139.84	1152.349	1165.418
Population (Thous)	2122.802	2155.912	2189.197	2222.723	2256.584	2290.985	2326.193	2362.158
GRP (Bil 92\$)	54.689	55.565	56.438	57.343	58.257	59.198	60.23	61.286
State & Local Gov Spending (Bil 92\$)	6.632	6.7643	6.8952	7.0309	7.1672	7.3062	7.4592	7.6159
Real Disp Pers Inc (Bil 92\$)	43.256	44.078	44.873	45.714	46.556	47.453	48.49	49.536
Residential Investment (Bil 92\$)	2.47097	2.48526	2.49817	2.51894	2.54348	2.57987	2.62775	2.68049
Opt Res Capital Stock (Bil 92\$)	75.521	76.859	78.181	79.542	80.933	82.408	83.977	85.603
Act Res Capital Stock (Bil 92\$)	60.403	61.655	62.897	64.138	65.381	66.636	67.914	69.218
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9433	0.9419	0.9405	0.9391	0.9377	0.9364	0.9353	0.9342
Manufacturing	21.42065	21.3783	21.33322	21.28959	21.24745	21.1989	21.15801	21.12765
Mining	1.1622657	1.1352062	1.1091423	1.0850755	1.0610074	1.037937	1.015868	0.994794
Construction	78.543	78.774	78.986	79.284	79.622	80.068	80.616	81.195
Trans./Public Util.	45.3051	45.5686	45.8296	46.1045	46.3861	46.6786	47.0069	47.361
Fin/Ins/Real Est	67.7844	67.834	67.8811	67.9606	68.0552	68.1731	68.3883	68.6318
Retail Trade	160.054	161.076	162.043	163.084	164.145	165.326	166.712	168.184
Wholesale Trade	30.5201	30.6287	30.7188	30.8119	30.8978	30.989	31.097	31.1999
Services	549.606	557.322	565.055	572.878	580.725	588.585	596.827	605.338
Agri/For/Fish Serv	11.9516	12.1226	12.292	12.4698	12.6511	12.8418	13.0496	13.2669
State and Local	98.053	99.235	100.464	101.742	103.034	104.4	105.886	107.458
Federal Civilian	8.4052	8.4002	8.3982	8.3992	8.3992	8.4012	8.4072	8.4172
Federal Military	11.722	11.755	11.785	11.819	11.85	11.882	11.932	11.98
Farm	0.274	0.271	0.269	0.266	0.263	0.261	0.258	0.255
Hotels	258.769	263.077	267.423	271.788	276.157	280.483	284.884	289.376
Amusem & Recr	37.0665	37.5702	38.0808	38.6057	39.1407	39.688	40.2783	40.892
Eating & Drinking	63.762	64.753	65.743	66.783	67.85	68.983	70.22	71.511
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000)	138.8	136.1	133.6	130.6	127.9	125.1	122	118.8
Test results: Cl cnty pop output after siml Level (1000)	2204.742	2234.932	2265.627	2296.183	2327.484	2359.315	2391.723	2424.878

# Attachment 5. Implementing Alternative Baseline, Clark County Output

Levels after simulation (UNLV update + m)							
Clark County	2029	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	1178.939	1192.706	1206.964	1222.037	1237.686	1253.506	1269.324
Population (Thous)	2398.764	2435.956	2473.762	2512.383	2551.776	2591.741	2632.03
GRP (Bil 92\$)	62.378	63.483	64.63	65.859	67.117	68.402	69.679
State & Local Gov Spending (Bil 92\$)	7.7784	7.9405	8.1104	8.294	8.4833	8.6773	8.8729
Real Disp Pers Inc (Bil 92\$)	50.631	51.747	52.94	54.25	55.57	56.915	58.228
Residential Investment (Bil 92\$)	2.73718	2.79797	2.86781	2.9418	3.01747	3.08599	3.14964
Opt Res Capital Stock (Bil 92\$)	87.277	89.014	90.84	92.738	94.686	96.63	98.577
Act Res Capital Stock (Bil 92\$)	70.55	71.916	73.321	74.769	76.261	77.789	79.349
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9331	0.9319	0.9308	0.9299	0.929	0.9281	0.927
Manufacturing	21.098921	21.060854	21.03441	21.005696	20.991532	20.97911	20.96156
Mining	0.974722	0.955647	0.93657	0.919495	0.903416	0.887339	0.872263
Construction	81.846	82.537	83.3008	84.1097	84.9298	85.7357	86.5232
Trans./Public Util.	47.7353	48.1197	48.5153	48.9534	49.4143	49.8823	50.3589
Fin/Ins/Real Est	68.9112	69.2014	69.5354	69.9359	70.3705	70.8209	71.2645
Retail Trade	169.74	171.358	173.101	174.992	176.948	178.882	180.764
Wholesale Trade	31.3051	31.4038	31.5129	31.6356	31.7622	31.881	31.9865
Services	614.004	622.73	631.585	640.817	650.373	660.071	669.839
Agri/For/Fish Serv	13.4917	13.7232	13.9643	14.2203	14.4845	14.7503	15.0169
State and Local	109.111	110.835	112.633	114.523	116.495	118.507	120.544
Federal Civilian	8.4312	8.4472	8.4632	8.4802	8.4992	8.5182	8.5372
Federal Military	12.032	12.083	12.137	12.206	12.275	12.349	12.418
Farm	0.253	0.25	0.248	0.245	0.243	0.241	0.238
Hotels	293.905	298.443	302.969	307.631	312.408	317.317	322.281
Amusem & Recr	41.5291	42.1778	42.8482	43.5573	44.2916	45.0444	45.8
Eating & Drinking	72.861	74.26	75.736	77.299	78.915	80.55	82.186
Population Changes & Levels							
Test results: Cl cnty pop changes after siml Change (1000)	115.5	112	108	103.8	99.82	95.19	87.28
Test results: Cl cnty pop output after siml Level (1000)	2458.674	2492.956	2527.462	2562.693	2599.026	2635.371	2668.86



# Attachment 5. Implementing Alternative Baseline, Clark County Output

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE							
CHANGES							
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment							
Clark County	1998	1999	2000	2001	2002	2003	2004
Employment (Thous)	10.58	35.59	40.46	41.45	44.23	47.07	49.04
Population (Thous)	82.46	99.64	107.7	113.3	117.8	122.2	126.2
GRP (Bil 92\$)	0.5347	1.487	1.651	1.672	1.75	1.84	1.899
State & Local Gov Spending (Bil 92\$)	0.1901	0.2342	0.2581	0.2109	0.2267	0.2424	0.2575
Real Disp Pers Inc (Bil 92\$)	0.556	1.052	1.188	1.252	1.35	1.454	1.544
Residential Investment (Bil 92\$)	0.1305	0.2307	0.2317	0.2185	0.2129	0.2097	0.204
Opt Res Capital Stock (Bil 92\$)	1.029	1.948	2.18	2.298	2.46	2.632	2.777
Act Res Capital Stock (Bil 92\$)	0.1305	0.3591	0.585	0.7941	0.9943	1.188	1.373
Exog Emp (Thous)	0	13.69	15.57	16.29	17.17	18.25	18.88
Exog Prod (Bil 92\$)	0	0.7893	0.8833	0.9178	0.9485	0.9919	1.01
Manufacturing	0.1233	0.2811	0.3281	0.3559	0.3863	0.4107	0.4274
Mining	0.003461	0.005989	0.007733	0.009322	0.01056	0.01156	0.01232
Construction	1.73	3.833	4.097	4.252	4.321	4.355	4.317
Trans./Public Util.	0.2046	0.5926	0.697	0.7285	0.7959	0.8564	0.903
Fin/Ins/Real Est	0.8868	1.604	1.723	1.739	1.801	1.874	1.926
Retail Trade	0.9254	3.248	3.832	4.066	4.457	4.83	5.112
Wholesale Trade	0.1622	0.5648	0.6739	0.7086	0.7742	0.8382	0.8853
Services	2.587	20.46	23.68	24.97	26.81	28.78	30.11
Agri/For/Fish Serv	0.1518	0.4	0.4402	0.4444	0.4639	0.4835	0.4958
State and Local	3.806	4.617	5.007	4.215	4.441	4.666	4.874
Federal Civilian	0	-0.0125	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	0.6554	14.71	16.97	17.73	18.99	20.38	21.26
Amusem & Recr	0.04492	0.1761	0.2251	0.2585	0.2951	0.3291	0.357
Eating & Drinking	0.1123	0.7405	0.9128	0.9999	1.135	1.269	1.382
Changes in Migrants							
Total Migrants	81.7	15.32	5.941	3.416	2.308	2.322	1.916

# Attachment 5. Implementing Alternative Baseline, Clark County Output

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV upc								
Clark County	2005	2006	2007	2008	2009	2010	2011	2012
Employment (Thous)	50.3	50.43	51.16	51.88	52.58	53.2	54.45	54.84
Population (Thous)	130.5	134.2	137.5	140.7	143.3	145.3	147.1	148.1
GRP (Bil 92\$)	1.934	1.924	1.954	1.98	2.007	2.032	2.086	2.102
State & Local Gov Spending (Bil 92\$)	0.2731	0.2331	0.2457	0.2578	0.2686	0.2774	0.3478	0.3536
Real Disp Pers Inc (Bil 92\$)	1.624	1.68	1.751	1.818	1.884	1.946	2.022	2.067
Residential Investment (Bil 92\$)	0.1973	0.1866	0.1811	0.1759	0.1713	0.1668	0.166	0.1595
Opt Res Capital Stock (Bil 92\$)	2.907	2.995	3.111	3.221	3.329	3.431	3.555	3.631
Act Res Capital Stock (Bil 92\$)	1.549	1.711	1.865	2.011	2.15	2.283	2.413	2.534
Exog Emp (Thous)	19.14	19.46	19.45	19.45	19.44	19.44	19.1	19.1
Exog Prod (Bil 92\$)	1.009	1.018	1.02	1.018	1.015	1.013	0.9845	0.9821
Manufacturing	0.4356	0.4423	0.4479	0.4533	0.4587	0.4627	0.4644	0.4654
Mining	0.01279	0.01333	0.01335	0.01328	0.01318	0.01302	0.01257	0.01222
Construction	4.224	4.331	4.236	4.153	4.085	4.016	3.715	3.631
Trans./Public Util.	0.9333	0.935	0.9591	0.9823	1.007	1.029	1.072	1.088
Fin/Ins/Real Est	1.965	1.975	1.991	2.008	2.026	2.04	2.071	2.075
Retail Trade	5.314	5.423	5.563	5.734	5.91	6.074	6.252	6.36
Wholesale Trade	0.9163	0.9302	0.9464	0.9621	0.9777	0.991	1.006	1.012
Services	30.93	31.46	31.9	32.3	32.7	33.06	33.33	33.63
Agri/For/Fish Serv	0.5015	0.5003	0.5088	0.5162	0.5237	0.5307	0.5415	0.5456
State and Local	5.091	4.449	4.62	4.781	4.916	5.015	6.023	6.061
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	21.73	21.91	22.06	22.21	22.34	22.45	22.55	22.65
Amusem & Recr	0.3792	0.3992	0.4158	0.4293	0.443	0.4563	0.4677	0.4766
Eating & Drinking	1.475	1.545	1.618	1.689	1.763	1.837	1.915	1.973
Changes in Migrants								
Total Migrants	2.177	1.657	1.382	1.254	0.7057	0.09379	-0.04849	-0.7913

# Attachment 5. Implementing Alternative Baseline, Clark County Output

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV upc								
Clark County	2013	2014	2015	2016	2017	2018	2019	2020
Employment (Thous)	55.19	55.55	55.84	56.02	56.18	56.18	56.12	55.92
Population (Thous)	148.6	148.4	147.9	146.8	145.8	144.4	142.7	140.8
GRP (Bil 92\$)	2.116	2.131	2.145	2.154	2.164	2.167	2.169	2.165
State & Local Gov Spending (Bil 92\$)	0.3575	0.3595	0.3606	0.3597	0.359	0.3567	0.3536	0.3496
Real Disp Pers Inc (Bil 92\$)	2.108	2.149	2.185	2.214	2.244	2.263	2.283	2.296
Residential Investment (Bil 92\$)	0.1532	0.1475	0.142	0.1357	0.1305	0.1241	0.1187	0.1129
Opt Res Capital Stock (Bil 92\$)	3.701	3.767	3.828	3.875	3.923	3.955	3.987	4.01
Act Res Capital Stock (Bil 92\$)	2.647	2.752	2.851	2.941	3.025	3.101	3.17	3.233
Exog Emp (Thous)	19.1	19.09	19.09	19.09	19.09	19.08	19.08	19.08
Exog Prod (Bil 92\$)	0.9797	0.9776	0.9755	0.9735	0.9717	0.9698	0.9681	0.9664
Manufacturing	0.4662	0.4683	0.4696	0.4695	0.4685	0.4654	0.461	0.4542
Mining	0.01186	0.01154	0.01122	0.01089	0.01054	0.01018	0.009797	0.009381
Construction	3.548	3.478	3.409	3.332	3.266	3.186	3.116	3.038
Trans./Public Util.	1.101	1.118	1.132	1.142	1.152	1.156	1.158	1.156
Fin/Ins/Real Est	2.076	2.079	2.08	2.075	2.071	2.06	2.048	2.03
Retail Trade	6.458	6.561	6.653	6.727	6.799	6.838	6.881	6.899
Wholesale Trade	1.017	1.022	1.026	1.028	1.03	1.028	1.026	1.02
Services	33.92	34.24	34.53	34.77	34.98	35.11	35.2	35.19
Agri/For/Fish Serv	0.5494	0.5535	0.5572	0.5596	0.5622	0.5627	0.563	0.5616
State and Local	6.068	6.045	6.008	5.941	5.874	5.789	5.693	5.586
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	22.74	22.84	22.94	23.03	23.09	23.13	23.14	23.1
Amusem & Recr	0.4857	0.4964	0.5063	0.5149	0.5231	0.5281	0.5329	0.5351
Eating & Drinking	2.031	2.093	2.152	2.207	2.263	2.307	2.354	2.393
Changes in Migrants								
Total Migrants	-1.436	-2.143	-2.41	-3.096	-3.046	-3.447	-3.684	-3.849



# Attachment 5. Implementing Alternative Baseline, Clark County Output

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV up)								
Clark County	2021	2022	2023	2024	2025	2026	2027	2028
Employment (Thous)	56.1	55.61	55.04	54.37	53.62	52.75	51.84	50.85
Population (Thous)	138.8	136.1	133.6	130.6	127.9	125.1	122	118.8
GRP (Bil 92\$)	2.181	2.167	2.149	2.128	2.105	2.076	2.046	2.013
State & Local Gov Spending (Bil 92\$)	0.4027	0.3965	0.3909	0.3837	0.3774	0.3704	0.3635	0.3558
Real Disp Pers Inc (Bil 92\$)	2.317	2.322	2.323	2.324	2.323	2.315	2.311	2.302
Residential Investment (Bil 92\$)	0.1096	0.1027	0.09624	0.09038	0.08502	0.07899	0.07378	0.0683
Opt Res Capital Stock (Bil 92\$)	4.046	4.049	4.047	4.044	4.037	4.02	4.003	3.978
Act Res Capital Stock (Bil 92\$)	3.291	3.342	3.385	3.422	3.453	3.477	3.495	3.508
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9376	0.9363	0.9349	0.9336	0.9322	0.931	0.93	0.929
Manufacturing	0.4435	0.4321	0.4191	0.4047	0.389	0.3717	0.3539	0.3353
Mining	0.008843	0.008384	0.007913	0.007433	0.006939	0.00644	0.005946	0.005457
Construction	2.727	2.637	2.548	2.46	2.374	2.279	2.189	2.093
Trans./Public Util.	1.17	1.16	1.146	1.131	1.112	1.09	1.067	1.041
Fin/Ins/Real Est	2.019	1.99	1.958	1.923	1.887	1.846	1.805	1.76
Retail Trade	6.911	6.892	6.853	6.817	6.763	6.685	6.612	6.524
Wholesale Trade	1.014	1.002	0.9872	0.971	0.9522	0.9301	0.9072	0.8819
Services	35.01	34.84	34.6	34.29	33.92	33.47	32.98	32.45
Agri/For/Fish Serv	0.5617	0.5571	0.5515	0.5452	0.538	0.5291	0.5201	0.5099
State and Local	6.269	6.126	5.998	5.846	5.712	5.574	5.433	5.287
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	23.02	22.89	22.72	22.51	22.26	21.97	21.66	21.31
Amusem & Recr	0.5329	0.5295	0.5236	0.5172	0.5082	0.4967	0.4851	0.4717
Eating & Drinking	2.427	2.454	2.472	2.492	2.504	2.508	2.513	2.512
Changes in Migrants								
Total Migrants	-3.921	-4.486	-4.106	-4.602	-4.103	-4.162	-4.17	-4.196

# Attachment 5. Implementing Alternative Baseline, Clark County Output

THE FOLLOWING IS THE DEV							
CHANGES							
Changes caused by simulation (UNLV upc							
Clark County	2029	2030	2031	2032	2033	2034	2035
Employment (Thous)	49.94	48.96	47.84	46.65	45.44	44.22	42.61
Population (Thous)	115.5	112	108	103.8	99.82	95.19	87.28
GRP (Bil 92\$)	1.985	1.954	1.916	1.876	1.835	1.794	1.729
State & Local Gov Spending (Bil 92\$)	0.3479	0.3392	0.3288	0.3181	0.3082	0.296	0.2733
Real Disp Pers Inc (Bil 92\$)	2.307	2.309	2.306	2.303	2.298	2.298	2.271
Residential Investment (Bil 92\$)	0.06645	0.06463	0.06149	0.05835	0.05531	0.0536	0.04664
Opt Res Capital Stock (Bil 92\$)	3.976	3.973	3.957	3.937	3.916	3.901	3.844
Act Res Capital Stock (Bil 92\$)	3.519	3.528	3.534	3.536	3.535	3.533	3.523
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.928	0.9269	0.926	0.9253	0.9245	0.9237	0.9228
Manufacturing	0.3174	0.2985	0.2788	0.2586	0.2382	0.2182	0.1958
Mining	0.004985	0.004516	0.004047	0.003586	0.003142	0.00271	0.002262
Construction	2.025	1.955	1.871	1.785	1.698	1.618	1.488
Trans./Public Util.	1.019	0.9941	0.9664	0.938	0.9081	0.8793	0.8437
Fin/Ins/Real Est	1.721	1.679	1.631	1.582	1.533	1.483	1.408
Retail Trade	6.478	6.426	6.36	6.29	6.207	6.146	6.065
Wholesale Trade	0.8593	0.8351	0.8085	0.7809	0.7516	0.7231	0.6908
Services	31.91	31.32	30.66	29.95	29.22	28.47	27.61
Agri/For/Fish Serv	0.5017	0.4927	0.4818	0.4704	0.4584	0.4469	0.4299
State and Local	5.138	4.986	4.808	4.625	4.456	4.257	3.909
Federal Civilian	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308	-0.0308
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	20.93	20.52	20.07	19.6	19.1	18.59	18.04
Amusem & Recr	0.4618	0.451	0.4384	0.4252	0.4107	0.3988	0.385
Eating & Drinking	2.528	2.543	2.552	2.56	2.562	2.575	2.584
Changes in Migrants							
Total Migrants	-4.16	-4.127	-4.61	-4.595	-4.19	-4.753	-7.891

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 1992 Constant Dollars							
Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment							
Clark County	1998	1999	2000	2001	2002	2003	2004
Employment (Thous)	764.285	809.655	830.265	846.855	864.789	879.467	894.386
Population (Thous)	1246.623	1321.315	1383.113	1439.609	1492.268	1542.03	1588.829
GRP (Bil 92\$)	34.3277	36.57	37.508	38.511	39.254	40.022	40.82
State & Local Gov Spending (Bil 92\$)	3.0971	3.3432	3.5661	3.7089	3.9127	4.1074	4.2995
Real Disp Pers Inc (Bil 92\$)	23.157	24.801	25.762	26.722	27.714	28.674	29.638
Residential Investment (Bil 92\$)	2.6185	2.7707	2.6737	2.6565	2.5989	2.5467	2.504
Opt Res Capital Stock (Bil 92\$)	42.867	45.927	47.268	49.045	50.495	51.902	53.305
Act Res Capital Stock (Bil 92\$)	26.7865	28.8431	30.78	32.6701	34.4793	36.211	37.878
Exog Emp (Thous)	0	13.69	15.57	16.29	17.17	18.25	18.88
Exog Prod (Bil 92\$)	0	0.7893	0.8833	0.9178	0.9485	0.9919	1.01
Manufacturing	21.2943	21.3801	21.1801	21.1279	21.1843	21.2007	21.2674
Mining	1.622461	1.572989	1.482733	1.505322	1.50056	1.52656	1.55532
Construction	78.468	81.59	81.495	80.802	81.004	80.135	79.382
Trans./Public Util.	36.6416	37.6866	38.24	38.7165	39.2459	39.6084	40.034
Fin/Ins/Real Est	59.5948	61.431	62.463	63.58	64.394	65.141	65.976
Retail Trade	125.3054	131.004	133.545	135.479	137.754	139.089	140.295
Wholesale Trade	23.1012	24.0608	24.6419	24.9866	25.5592	25.9942	26.4513
Services	333.094	361.018	373.792	385.319	395.958	405.935	416.007
Agri/For/Fish Serv	8.9638	9.272	9.3732	9.4304	9.4999	9.5315	9.5848
State and Local	58.773	62.53	65.655	67.375	69.996	72.468	74.833
Federal Civilian	8.034	8.0825	8.0922	8.0842	8.0762	8.0682	8.0592
Federal Military	9.036	9.68	9.952	10.115	10.28	10.44	10.608
Farm	0.356	0.351	0.347	0.342	0.337	0.333	0.328
Hotels	155.1344	172.146	177.102	181.095	185.043	188.924	192.742
Amusem & Recr	21.69192	22.8021	23.8641	24.9285	25.8291	26.6791	27.567
Eating & Drinking	40.9903	42.5845	43.7428	44.8559	46.114	47.126	48.18
<b>Migrants</b>							
Total Migrants	128.797	61.116	48.284	42.752	38.455	35.397	32.171

# Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>LEVELS: Dollar amounts are in 1992 Con</b>								
<b>Levels caused by simulation (UNLV updat</b>								
<b>Clark County</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Employment (Thous)	909.842	924.417	936.551	950.91	965.732	980.618	995.983	1009.205
Population (Thous)	1633.935	1676.43	1717.307	1757.639	1797.432	1836.548	1875.288	1912.707
GRP (Bil 92\$)	41.634	42.427	43.292	44.211	45.166	46.13	47.124	48.021
State & Local Gov Spending (Bil 92\$)	4.4851	4.6101	4.7757	4.9388	5.1046	5.2664	5.4888	5.6396
Real Disp Pers Inc (Bil 92\$)	30.59	31.526	32.461	33.415	34.392	35.365	36.351	37.206
Residential Investment (Bil 92\$)	2.4793	2.4606	2.4491	2.4519	2.4613	2.4758	2.494	2.4925
Opt Res Capital Stock (Bil 92\$)	54.765	56.217	57.68	59.214	60.766	62.339	63.93	65.367
Act Res Capital Stock (Bil 92\$)	39.496	41.07	42.609	44.125	45.625	47.113	48.595	50.049
Exog Emp (Thous)	19.14	19.46	19.45	19.45	19.44	19.44	19.1	19.1
Exog Prod (Bil 92\$)	1.009	1.018	1.02	1.018	1.015	1.013	0.9845	0.9821
Manufacturing	21.3386	21.4563	21.5599	21.6323	21.7167	21.8007	21.8734	21.9284
Mining	1.58379	1.64133	1.60735	1.57228	1.54018	1.50802	1.47657	1.44522
Construction	78.926	78.949	78.706	78.744	78.917	79.181	79.244	79.383
Trans./Public Util.	40.4883	40.939	41.3551	41.7763	42.218	42.665	43.125	43.517
Fin/Ins/Real Est	66.876	67.817	67.863	68.055	68.282	68.51	68.746	68.864
Retail Trade	141.556	142.181	142.94	144.991	147.105	149.239	151.339	153.038
Wholesale Trade	26.9233	27.3402	27.6594	28.0401	28.4287	28.809	29.176	29.483
Services	426.272	436.685	445.183	454.189	463.406	472.667	481.769	490.519
Agri/For/Fish Serv	9.6435	9.7103	9.8668	10.0372	10.2177	10.4057	10.5985	10.7696
State and Local	77.086	78.401	80.356	82.277	84.182	85.987	88.681	90.226
Federal Civilian	8.0512	8.0432	8.1082	8.1692	8.2272	8.2752	8.3212	8.3482
Federal Military	10.768	10.933	11.025	11.106	11.189	11.264	11.336	11.393
Farm	0.323	0.319	0.316	0.312	0.309	0.306	0.303	0.3
Hotels	196.511	200.263	203.615	208.051	212.586	217.14	221.668	226.121
Amusem & Recr	28.4932	29.4472	30.0938	30.6513	31.223	31.8003	32.3747	32.9156
Eating & Drinking	49.329	50.317	51.166	52.169	53.222	54.316	55.429	56.436
<b>Migrants</b>								
Total Migrants	30.253	27.563	26.111	25.486	24.9317	24.17879	23.74651	22.3077

# Attachment 5. Implementing Alternative Baseline, Clark County Output

<b>LEVELS: Dollar amounts are in 1992 Con</b>								
<b>Levels caused by simulation (UNLV updat</b>								
<b>Clark County</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Employment (Thous)	1021.599	1033.649	1045.289	1056.556	1067.873	1078.777	1089.519	1099.697
Population (Thous)	1948.827	1983.468	2017.067	2049.46	2081.534	2112.86	2143.685	2174.21
GRP (Bil 92\$)	48.884	49.746	50.598	51.439	52.301	53.136	53.98	54.797
State & Local Gov Spending (Bil 92\$)	5.7845	5.9255	6.0626	6.1937	6.326	6.4497	6.5736	6.6926
Real Disp Pers Inc (Bil 92\$)	38.023	38.852	39.664	40.458	41.275	42.047	42.834	43.574
Residential Investment (Bil 92\$)	2.4862	2.4825	2.48	2.4777	2.4815	2.4851	2.4897	2.4929
Opt Res Capital Stock (Bil 92\$)	66.754	68.125	69.48	70.811	72.158	73.488	74.809	76.096
Act Res Capital Stock (Bil 92\$)	51.476	52.874	54.25	55.599	56.93	58.242	59.537	60.814
Exog Emp (Thous)	19.1	19.09	19.09	19.09	19.09	19.08	19.08	19.08
Exog Prod (Bil 92\$)	0.9797	0.9776	0.9755	0.9735	0.9717	0.9698	0.9681	0.9664
Manufacturing	21.9672	21.9883	21.9986	21.9965	21.9835	21.9624	21.938	21.8962
Mining	1.41386	1.38054	1.34922	1.31889	1.28754	1.25818	1.229797	1.200381
Construction	79.479	79.56	79.62	79.671	79.778	79.876	80.009	80.101
Trans./Public Util.	43.868	44.201	44.516	44.807	45.107	45.384	45.656	45.907
Fin/Ins/Real Est	68.928	68.987	69.025	69.043	69.08	69.087	69.098	69.078
Retail Trade	154.537	155.953	157.278	158.515	159.756	160.902	162.007	162.982
Wholesale Trade	29.761	30.011	30.234	30.433	30.622	30.778	30.922	31.036
Services	498.912	507.219	515.434	523.52	531.657	539.64	547.507	555.133
Agri/For/Fish Serv	10.9324	11.0955	11.2582	11.4186	11.5852	11.7477	11.911	12.0696
State and Local	91.686	93.076	94.355	95.566	96.709	97.799	98.878	99.904
Federal Civilian	8.3712	8.3902	8.4012	8.4102	8.4122	8.4132	8.4122	8.4082
Federal Military	11.441	11.49	11.533	11.572	11.612	11.642	11.674	11.698
Farm	0.297	0.294	0.291	0.288	0.285	0.282	0.28	0.277
Hotels	230.467	234.795	239.135	243.48	247.848	252.202	256.536	260.802
Amusem & Recr	33.4327	33.9454	34.4563	34.9599	35.4711	35.9721	36.4739	36.9641
Eating & Drinking	57.404	58.372	59.334	60.291	61.274	62.246	63.227	64.182
<b>Migrants</b>								
Total Migrants	20.577	18.693	17.217	15.393	14.433	13.09	12.055	11.247

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 1992 Con								
Levels caused by simulation (UNLV updat								
Clark County	2021	2022	2023	2024	2025	2026	2027	2028
Employment (Thous)	1110.225	1120.34	1130.388	1140.75	1151.187	1161.91	1173.609	1185.818
Population (Thous)	2204.742	2234.932	2265.627	2296.183	2327.484	2359.315	2391.723	2424.878
GRP (Bil 92\$)	55.643	56.497	57.346	58.227	59.116	60.028	61.03	62.054
State & Local Gov Spending (Bil 92\$)	6.8697	6.9945	7.1189	7.2467	7.3764	7.5084	7.6545	7.8038
Real Disp Pers Inc (Bil 92\$)	44.345	45.148	45.925	46.749	47.575	48.452	49.469	50.494
Residential Investment (Bil 92\$)	2.5036	2.5127	2.52124	2.53838	2.56002	2.59299	2.63778	2.6873
Opt Res Capital Stock (Bil 92\$)	77.422	78.726	80.013	81.343	82.703	84.142	85.674	87.258
Act Res Capital Stock (Bil 92\$)	62.079	63.332	64.571	65.805	67.038	68.28	69.541	70.826
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.9376	0.9363	0.9349	0.9336	0.9322	0.931	0.93	0.929
Manufacturing	21.8465	21.7921	21.7341	21.6767	21.62	21.5557	21.4989	21.4523
Mining	1.171843	1.144384	1.117913	1.093433	1.068939	1.04544	1.022946	1.001457
Construction	80.012	80.172	80.319	80.554	80.835	81.216	81.701	82.214
Trans./Public Util.	46.166	46.418	46.665	46.926	47.191	47.465	47.774	48.107
Fin/Ins/Real Est	69.073	69.092	69.108	69.155	69.218	69.301	69.481	69.687
Retail Trade	163.955	164.923	165.826	166.814	167.813	168.915	170.225	171.613
Wholesale Trade	31.142	31.238	31.3142	31.393	31.4632	31.5361	31.6252	31.7079
Services	562.476	569.952	577.395	584.888	592.365	599.805	607.597	615.648
Agri/For/Fish Serv	12.2317	12.3961	12.5585	12.7292	12.903	13.0851	13.2841	13.4919
State and Local	101.753	102.791	103.896	105.03	106.2	107.444	108.805	110.25
Federal Civilian	8.4052	8.4002	8.3982	8.3992	8.3992	8.4012	8.4072	8.4172
Federal Military	11.722	11.755	11.785	11.819	11.85	11.882	11.932	11.98
Farm	0.274	0.271	0.269	0.266	0.263	0.261	0.258	0.255
Hotels	264.989	269.167	273.343	277.518	281.657	285.723	289.864	294.056
Amusem & Recr	37.4499	37.9495	38.4546	38.9742	39.5022	40.0407	40.6221	41.2257
Eating & Drinking	65.153	66.146	67.132	68.172	69.234	70.357	71.584	72.862
<b>Migrants</b>								
Total Migrants	10.756	10.035	10.267	9.693	10.243	10.455	10.967	11.494

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 1992 Con							
Levels caused by simulation (UNLV updat							
Clark County	2029	2030	2031	2032	2033	2034	2035
Employment (Thous)	1198.599	1211.596	1224.964	1239.117	1253.866	1268.816	1283.384
Population (Thous)	2458.674	2492.956	2527.462	2562.693	2599.026	2635.371	2668.86
GRP (Bil 92\$)	63.121	64.2	65.315	66.511	67.737	68.992	70.216
State & Local Gov Spending (Bil 92\$)	7.9589	8.1132	8.2738	8.4481	8.6292	8.813	8.9883
Real Disp Pers Inc (Bil 92\$)	51.583	52.692	53.873	55.17	56.479	57.82	59.104
Residential Investment (Bil 92\$)	2.74445	2.80563	2.87449	2.94735	3.02231	3.0916	3.15064
Opt Res Capital Stock (Bil 92\$)	88.917	90.64	92.441	94.312	96.236	98.166	100.059
Act Res Capital Stock (Bil 92\$)	72.14	73.489	74.876	76.305	77.777	79.287	80.824
Exog Emp (Thous)	18.76	18.76	18.76	18.76	18.76	18.76	18.76
Exog Prod (Bil 92\$)	0.928	0.9269	0.926	0.9253	0.9245	0.9237	0.9228
Manufacturing	21.4084	21.3545	21.3118	21.2666	21.2362	21.2082	21.1728
Mining	0.980985	0.961516	0.942047	0.924586	0.908142	0.89171	0.876262
Construction	82.828	83.481	84.192	84.947	85.716	86.479	87.173
Trans./Public Util.	48.465	48.8311	49.2064	49.624	50.0641	50.5133	50.9647
Fin/Ins/Real Est	69.936	70.194	70.491	70.854	71.253	71.668	72.052
Retail Trade	173.131	174.71	176.402	178.24	180.138	182.043	183.878
Wholesale Trade	31.7963	31.8771	31.9665	32.0689	32.1746	32.2741	32.3568
Services	623.854	632.1	640.415	649.087	658.093	667.241	676.349
Agri/For/Fish Serv	13.7097	13.9337	14.1658	14.4124	14.6674	14.9249	15.1779
State and Local	111.776	113.373	115.023	116.764	118.604	120.459	122.194
Federal Civilian	8.4312	8.4472	8.4632	8.4802	8.4992	8.5182	8.5372
Federal Military	12.032	12.083	12.137	12.206	12.275	12.349	12.418
Farm	0.253	0.25	0.248	0.245	0.243	0.241	0.238
Hotels	298.275	302.473	306.639	310.921	315.308	319.817	324.361
Amusem & Recr	41.8568	42.499	43.1614	43.8622	44.5877	45.3348	46.083
Eating & Drinking	74.217	75.622	77.098	78.662	80.275	81.922	83.566
<b>Migrants</b>							
Total Migrants	11.968	12.396	12.322	12.896	13.807	13.472	10.299



# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands							
BASELINE LEVELS							
Clark County	1998	1999	2000	2001	2002	2003	2004
Employment (Thous)	764.28500	809.65500	830.26500	846.85500	864.78900	879.46700	894.38600
Population (Thous)	1,246.62300	1,321.31500	1,383.11300	1,439.60900	1,492.26800	1,542.03000	1,588.82900
GRP (Bil 2000\$)	40.50331	43.14901	44.25575	45.43920	46.31586	47.22203	48.16359
State & Local Gov Spending (Bil 2000\$)	3.65427	3.94465	4.20765	4.37614	4.61660	4.84633	5.07299
Real Disp Pers Inc (Bil 2000\$)	27.32298	29.26274	30.39663	31.52933	32.69980	33.83250	34.96993
Residential Investment (Bil 2000\$)	3.08957	3.26915	3.15470	3.13441	3.06645	3.00486	2.95447
Opt Res Capital Stock (Bil 2000\$)	50.57885	54.18935	55.77159	57.86828	59.57914	61.23926	62.89466
Act Res Capital Stock (Bil 2000\$)	31.60544	34.03202	36.31737	38.54751	40.68219	42.72542	44.69232
Exog Emp (Thous)	0.00000	13.69000	15.57000	16.29000	17.17000	18.25000	18.88000
Exog Prod (Bil 2000\$)	0.00000	0.93130	1.04221	1.08291	1.11914	1.17034	1.19170
Manufacturing	21.29430	21.38010	21.18010	21.12790	21.18430	21.20070	21.26740
Mining	1.62246	1.57299	1.48273	1.50532	1.50056	1.52656	1.55532
Construction	78.46800	81.59000	81.49500	80.80200	81.00400	80.13500	79.38200
Trans./Public Util.	36.64160	37.68660	38.24000	38.71650	39.24590	39.60840	40.03400
Fin/Ins/Real Est	59.59480	61.43100	62.46300	63.58000	64.39400	65.14100	65.97600
Retail Trade	125.30540	131.00400	133.54500	135.47900	137.75400	139.08900	140.29500
Wholesale Trade	23.10120	24.06080	24.64190	24.98660	25.55920	25.99420	26.45130
Services	333.09400	361.01800	373.79200	385.31900	395.95800	405.93500	416.00700
Agri/For/Fish Serv	8.96380	9.27200	9.37320	9.43040	9.49990	9.53150	9.58480
State and Local	58.77300	62.53000	65.65500	67.37500	69.99600	72.46800	74.83300
Federal Civilian	8.03400	8.08250	8.09220	8.08420	8.07620	8.06820	8.05920
Federal Military	9.03600	9.68000	9.95200	10.11500	10.28000	10.44000	10.60800
Farm	0.35600	0.35100	0.34700	0.34200	0.33700	0.33300	0.32800
Hotels	155.13440	172.14600	177.10200	181.09500	185.04300	188.92400	192.74200
Amusem & Recr	21.69192	22.80210	23.86410	24.92850	25.82910	26.67910	27.56700
Eating & Drinking	40.99030	42.58450	43.74280	44.85590	46.11400	47.12600	48.18000
<b>Migrants</b>							
Total Migrants (Thousands)	128.79700	61.11600	48.28400	42.75200	38.45500	35.39700	32.17100



# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 2000 Con								
BASELINE LEVELS								
Clark County	2005	2006	2007	2008	2009	2010	2011	2012
Employment (Thous)	909.84200	924.41700	936.55100	950.91000	965.73200	980.61800	995.98300	1,009.20500
Population (Thous)	1,633.93500	1,676.43000	1,717.30700	1,757.63900	1,797.43200	1,836.54800	1,875.28800	1,912.70700
GRP (Bil 2000\$)	49.12403	50.05969	51.08031	52.16463	53.29144	54.42887	55.60169	56.66006
State & Local Gov Spending (Bil 2000\$)	5.29198	5.43946	5.63486	5.82730	6.02293	6.21383	6.47624	6.65417
Real Disp Pers Inc (Bil 2000\$)	36.09319	37.19758	38.30079	39.42642	40.57918	41.72722	42.89061	43.89942
Residential Investment (Bil 2000\$)	2.92533	2.90327	2.88970	2.89300	2.90409	2.92120	2.94267	2.94091
Opt Res Capital Stock (Bil 2000\$)	64.61732	66.33053	68.05673	69.86670	71.69791	73.55389	75.43112	77.12664
Act Res Capital Stock (Bil 2000\$)	46.60140	48.45856	50.27443	52.06316	53.83302	55.58871	57.33732	59.05290
Exog Emp (Thous)	19.14000	19.46000	19.45000	19.45000	19.44000	19.44000	19.10000	19.10000
Exog Prod (Bil 2000\$)	1.19052	1.20114	1.20350	1.20114	1.19760	1.19524	1.16161	1.15878
Manufacturing	21.33860	21.45630	21.55990	21.63230	21.71670	21.80070	21.87340	21.92840
Mining	1.58379	1.64133	1.60735	1.57228	1.54018	1.50802	1.47657	1.44522
Construction	78.92600	78.94900	78.70600	78.74400	78.91700	79.18100	79.24400	79.38300
Trans./Public Util.	40.48830	40.93900	41.35510	41.77630	42.21800	42.66500	43.12500	43.51700
Fin/Ins/Real Est	66.87600	67.81700	67.86300	68.05500	68.28200	68.51000	68.74600	68.86400
Retail Trade	141.55600	142.18100	142.94000	144.99100	147.10500	149.23900	151.33900	153.03800
Wholesale Trade	26.92330	27.34020	27.65940	28.04010	28.42870	28.80900	29.17600	29.48300
Services	426.27200	436.68500	445.18300	454.18900	463.40600	472.66700	481.76900	490.51900
Agri/For/Fish Serv	9.64350	9.71030	9.86680	10.03720	10.21770	10.40570	10.59850	10.76960
State and Local	77.08600	78.40100	80.35600	82.27700	84.18200	85.98700	88.68100	90.22600
Federal Civilian	8.05120	8.04320	8.10820	8.16920	8.22720	8.27520	8.32120	8.34820
Federal Military	10.76800	10.93300	11.02500	11.10600	11.18900	11.26400	11.33600	11.39300
Farm	0.32300	0.31900	0.31600	0.31200	0.30900	0.30600	0.30300	0.30000
Hotels	196.51100	200.26300	203.61500	208.05100	212.58600	217.14000	221.66800	226.12100
Amusem & Recr	28.49320	29.44720	30.09380	30.65130	31.22300	31.80030	32.37470	32.91560
Eating & Drinking	49.32900	50.31700	51.16600	52.16900	53.22200	54.31600	55.42900	56.43600
<b>Migrants</b>								
Total Migrants (Thousands)	30.25300	27.56300	26.11100	25.48600	24.93170	24.17879	23.74651	22.30770

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 2000 Con								
BASELINE LEVELS								
Clark County	2013	2014	2015	2016	2017	2018	2019	2020
Employment (Thous)	1,021.59900	1,033.64900	1,045.28900	1,056.55600	1,067.87300	1,078.77700	1,089.51900	1,099.69700
Population (Thous)	1,948.82700	1,983.46800	2,017.06700	2,049.46000	2,081.53400	2,112.86000	2,143.68500	2,174.21000
GRP (Bil 2000\$)	57.67832	58.69539	59.70067	60.69296	61.71004	62.69526	63.69109	64.65507
State & Local Gov Spending (Bil 2000\$)	6.82514	6.99151	7.15327	7.30796	7.46406	7.61001	7.75620	7.89661
Real Disp Pers Inc (Bil 2000\$)	44.86340	45.84154	46.79962	47.73646	48.70044	49.61133	50.53991	51.41304
Residential Investment (Bil 2000\$)	2.93347	2.92911	2.92616	2.92344	2.92793	2.93217	2.93760	2.94138
Opt Res Capital Stock (Bil 2000\$)	78.76316	80.38080	81.97957	83.55002	85.13935	86.70862	88.26727	89.78580
Act Res Capital Stock (Bil 2000\$)	60.73662	62.38612	64.00967	65.60136	67.17180	68.71984	70.24781	71.75454
Exog Emp (Thous)	19.10000	19.09000	19.09000	19.09000	19.09000	19.08000	19.08000	19.08000
Exog Prod (Bil 2000\$)	1.15595	1.15347	1.15099	1.14863	1.14651	1.14427	1.14226	1.14026
Manufacturing	21.96720	21.98830	21.99860	21.99650	21.98350	21.96240	21.93800	21.89620
Mining	1.41386	1.38054	1.34922	1.31889	1.28754	1.25818	1.22980	1.20038
Construction	79.47900	79.56000	79.62000	79.67100	79.77800	79.87600	80.00900	80.10100
Trans./Public Util.	43.86800	44.20100	44.51600	44.80700	45.10700	45.38400	45.65600	45.90700
Fin/Ins/Real Est	68.92800	68.98700	69.02500	69.04300	69.08000	69.08700	69.09800	69.07800
Retail Trade	154.53700	155.95300	157.27800	158.51500	159.75600	160.90200	162.00700	162.98200
Wholesale Trade	29.76100	30.01100	30.23400	30.43300	30.62200	30.77800	30.92200	31.03600
Services	498.91200	507.21900	515.43400	523.52000	531.65700	539.64000	547.50700	555.13300
Agri/For/Fish Serv	10.93240	11.09550	11.25820	11.41860	11.58520	11.74770	11.91100	12.06960
State and Local	91.68600	93.07600	94.35500	95.56600	96.70900	97.79900	98.87800	99.90400
Federal Civilian	8.37120	8.39020	8.40120	8.41020	8.41220	8.41320	8.41220	8.40820
Federal Military	11.44100	11.49000	11.53300	11.57200	11.61200	11.64200	11.67400	11.69800
Farm	0.29700	0.29400	0.29100	0.28800	0.28500	0.28200	0.28000	0.27700
Hotels	230.46700	234.79500	239.13500	243.48000	247.84800	252.20200	256.53600	260.80200
Amusem & Recr	33.43270	33.94540	34.45630	34.95990	35.47110	35.97210	36.47390	36.96410
Eating & Drinking	57.40400	58.37200	59.33400	60.29100	61.27400	62.24600	63.22700	64.18200
<b>Migrants</b>								
Total Migrants (Thousands)	20.57700	18.69300	17.21700	15.39300	14.43300	13.09000	12.05500	11.24700

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 2000 Con								
BASELINE LEVELS								
Clark County	2021	2022	2023	2024	2025	2026	2027	2028
Employment (Thous)	1,110.22500	1,120.34000	1,130.38800	1,140.75000	1,151.18700	1,161.91000	1,173.60900	1,185.81800
Population (Thous)	2,204.74200	2,234.93200	2,265.62700	2,296.18300	2,327.48400	2,359.31500	2,391.72300	2,424.87800
GRP (Bil 2000\$)	65.65327	66.66091	67.66264	68.70214	69.75107	70.82714	72.00940	73.21762
State & Local Gov Spending (Bil 2000\$)	8.10557	8.25282	8.39960	8.55039	8.70343	8.85917	9.03156	9.20772
Real Disp Pers Inc (Bil 2000\$)	52.32274	53.27020	54.18699	55.15923	56.13382	57.16860	58.36856	59.57796
Residential Investment (Bil 2000\$)	2.95400	2.96474	2.97482	2.99504	3.02057	3.05947	3.11232	3.17075
Opt Res Capital Stock (Bil 2000\$)	91.35035	92.88894	94.40748	95.97675	97.58141	99.27929	101.08690	102.95586
Act Res Capital Stock (Bil 2000\$)	73.24712	74.72554	76.18743	77.64343	79.09825	80.56369	82.05155	83.56772
Exog Emp (Thous)	18.76000	18.76000	18.76000	18.76000	18.76000	18.76000	18.76000	18.76000
Exog Prod (Bil 2000\$)	1.10628	1.10474	1.10309	1.10156	1.09990	1.09849	1.09731	1.09613
Manufacturing	21.84650	21.79210	21.73410	21.67670	21.62000	21.55570	21.49890	21.45230
Mining	1.17184	1.14438	1.11791	1.09343	1.06894	1.04544	1.02295	1.00146
Construction	80.01200	80.17200	80.31900	80.55400	80.83500	81.21600	81.70100	82.21400
Trans./Public Util.	46.16600	46.41800	46.66500	46.92600	47.19100	47.46500	47.77400	48.10700
Fin/Ins/Real Est	69.07300	69.09200	69.10800	69.15500	69.21800	69.30100	69.48100	69.68700
Retail Trade	163.95500	164.92300	165.82600	166.81400	167.81300	168.91500	170.22500	171.61300
Wholesale Trade	31.14200	31.23800	31.31420	31.39300	31.46320	31.53610	31.62520	31.70790
Services	562.47600	569.95200	577.39500	584.88800	592.36500	599.80500	607.59700	615.64800
Agri/For/Fish Serv	12.23170	12.39610	12.55850	12.72920	12.90300	13.08510	13.28410	13.49190
State and Local	101.75300	102.79100	103.89600	105.03000	106.20000	107.44400	108.80500	110.25000
Federal Civilian	8.40520	8.40020	8.39820	8.39920	8.39920	8.40120	8.40720	8.41720
Federal Military	11.72200	11.75500	11.78500	11.81900	11.85000	11.88200	11.93200	11.98000
Farm	0.27400	0.27100	0.26900	0.26600	0.26300	0.26100	0.25800	0.25500
Hotels	264.98900	269.16700	273.34300	277.51800	281.65700	285.72300	289.86400	294.05600
Amusem & Recr	37.44990	37.94950	38.45460	38.97420	39.50220	40.04070	40.62210	41.22570
Eating & Drinking	65.15300	66.14600	67.13200	68.17200	69.23400	70.35700	71.58400	72.86200
<b>Migrants</b>								
Total Migrants (Thousands)	10.75600	10.03500	10.26700	9.69300	10.24300	10.45500	10.96700	11.49400

# Attachment 5. Implementing Alternative Baseline, Clark County Output

LEVELS: Dollar amounts are in 2000 Con							
BASELINE LEVELS							
Clark County	2029	2030	2031	2032	2033	2034	2035
Employment (Thous)	1,198.59900	1,211.59600	1,224.96400	1,239.11700	1,253.86600	1,268.81600	1,283.38400
Population (Thous)	2,458.67400	2,492.95600	2,527.46200	2,562.69300	2,599.02600	2,635.37100	2,668.86000
GRP (Bil 2000\$)	74.47658	75.74969	77.06528	78.47644	79.92300	81.40378	82.84798
State & Local Gov Spending (Bil 2000\$)	9.39072	9.57278	9.76227	9.96793	10.18161	10.39847	10.60531
Real Disp Pers Inc (Bil 2000\$)	60.86287	62.17138	63.56485	65.09518	66.63967	68.22192	69.73691
Residential Investment (Bil 2000\$)	3.23818	3.31037	3.39162	3.47758	3.56603	3.64778	3.71745
Opt Res Capital Stock (Bil 2000\$)	104.91332	106.94629	109.07129	111.27889	113.54902	115.82623	118.05979
Act Res Capital Stock (Bil 2000\$)	85.11811	86.70980	88.34632	90.03240	91.76922	93.55087	95.36438
Exog Emp (Thous)	18.76000	18.76000	18.76000	18.76000	18.76000	18.76000	18.76000
Exog Prod (Bil 2000\$)	1.09495	1.09365	1.09259	1.09176	1.09082	1.08988	1.08881
Manufacturing	21.40840	21.35450	21.31180	21.26660	21.23620	21.20820	21.17280
Mining	0.98099	0.96152	0.94205	0.92459	0.90814	0.89171	0.87626
Construction	82.82800	83.48100	84.19200	84.94700	85.71600	86.47900	87.17300
Trans./Public Util.	48.46500	48.83110	49.20640	49.62400	50.06410	50.51330	50.96470
Fin/Ins/Real Est	69.93600	70.19400	70.49100	70.85400	71.25300	71.66800	72.05200
Retail Trade	173.13100	174.71000	176.40200	178.24000	180.13800	182.04300	183.87800
Wholesale Trade	31.79630	31.87710	31.96650	32.06890	32.17460	32.27410	32.35680
Services	623.85400	632.10000	640.41500	649.08700	658.09300	667.24100	676.34900
Agri/For/Fish Serv	13.70970	13.93370	14.16580	14.41240	14.66740	14.92490	15.17790
State and Local	111.77600	113.37300	115.02300	116.76400	118.60400	120.45900	122.19400
Federal Civilian	8.43120	8.44720	8.46320	8.48020	8.49920	8.51820	8.53720
Federal Military	12.03200	12.08300	12.13700	12.20600	12.27500	12.34900	12.41800
Farm	0.25300	0.25000	0.24800	0.24500	0.24300	0.24100	0.23800
Hotels	298.27500	302.47300	306.63900	310.92100	315.30800	319.81700	324.36100
Amusem & Recr	41.85680	42.49900	43.16140	43.86220	44.58770	45.33480	46.08300
Eating & Drinking	74.21700	75.62200	77.09800	78.66200	80.27500	81.92200	83.56600
<b>Migrants</b>							
Total Migrants (Thousands)	11.96800	12.39600	12.32200	12.89600	13.80700	13.47200	10.29900

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>										
<b>Nye County</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Total Emp (Thous)	11.467	11.761	11.958	12.249	12.5	12.728	12.964	13.207	13.461	13.644
Population (Thous)	28.746	30.078	31.294	32.418	33.457	34.422	35.342	36.227	37.078	37.91
GRP (Bil 92\$)	0.572	0.592	0.601	0.623	0.638	0.656	0.675	0.695	0.717	0.731
State & Local Gov Spending (Bil 92\$)	0.068	0.072	0.076	0.081	0.085	0.089	0.092	0.096	0.1	0.103
Real Disp Pers Inc (Bil 92\$)	0.463	0.486	0.504	0.524	0.545	0.565	0.586	0.606	0.626	0.644
Residential Investment (Bil 92\$)	0.031	0.031	0.03	0.03	0.029	0.029	0.029	0.028	0.028	0.028
Opt Res Capital Stock (Bil 92\$)	0.568	0.597	0.612	0.637	0.657	0.678	0.698	0.719	0.739	0.758
Act Res Capital Stock (Bil 92\$)	0.344	0.371	0.397	0.422	0.446	0.469	0.492	0.514	0.535	0.556
Exog Emp (Thous)	0	0	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0	0	0
Manufacturing	0.284	0.297	0.304	0.313	0.322	0.329	0.337	0.344	0.351	0.357
Mining	1.239	1.155	1.053	1.036	1.006	0.997	0.992	0.99	1.005	0.964
Construction	0.772	0.791	0.797	0.801	0.815	0.82	0.825	0.833	0.843	0.846
Trans./Public Util.	0.364	0.378	0.391	0.405	0.419	0.431	0.444	0.457	0.471	0.479
Fin/Ins/Real Est	0.457	0.472	0.485	0.499	0.511	0.52	0.531	0.541	0.551	0.56
Retail Trade	1.627	1.691	1.737	1.781	1.826	1.858	1.888	1.917	1.938	1.954
Wholesale Trade	0.161	0.166	0.171	0.175	0.181	0.185	0.19	0.195	0.199	0.203
Services	4.559	4.73	4.874	5.035	5.165	5.282	5.404	5.531	5.66	5.797
Agri/For/Fish Serv	0.1	0.103	0.106	0.109	0.112	0.115	0.118	0.12	0.123	0.126
State and Local	1.374	1.444	1.507	1.563	1.616	1.664	1.712	1.756	1.8	1.84
Federal Civilian	0.194	0.196	0.196	0.196	0.196	0.196	0.196	0.195	0.195	0.197
Federal Military	0.073	0.078	0.081	0.082	0.083	0.084	0.086	0.087	0.088	0.089
Farm	0.263	0.259	0.256	0.253	0.249	0.246	0.242	0.239	0.235	0.233
Hotels	0.415	0.43	0.445	0.46	0.474	0.487	0.5	0.513	0.526	0.538
Amusem & Recr	0.267	0.278	0.289	0.301	0.312	0.322	0.332	0.343	0.354	0.362
Eating & Drinking	0.446	0.462	0.479	0.497	0.515	0.531	0.548	0.565	0.58	0.592
<b>Migrants</b>										
Total Migrants	1.288	1.109	0.982	0.877	0.783	0.698	0.634	0.586	0.544	0.514

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>										
<b>Nye County</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Total Emp (Thous)	13.834	14.03	14.226	14.414	14.575	14.724	14.857	14.979	15.094	15.205
Population (Thous)	38.725	39.539	40.349	41.145	41.914	42.651	43.356	44.031	44.679	45.307
GRP (Bil 92\$)	0.745	0.759	0.774	0.788	0.802	0.814	0.826	0.838	0.849	0.861
State & Local Gov Spending (Bil 92\$)	0.106	0.109	0.113	0.116	0.119	0.122	0.125	0.127	0.13	0.132
Real Disp Pers Inc (Bil 92\$)	0.661	0.679	0.697	0.715	0.731	0.746	0.759	0.772	0.783	0.794
Residential Investment (Bil 92\$)	0.028	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.026	0.025
Opt Res Capital Stock (Bil 92\$)	0.776	0.795	0.814	0.833	0.85	0.867	0.882	0.895	0.907	0.919
Act Res Capital Stock (Bil 92\$)	0.576	0.596	0.615	0.635	0.653	0.671	0.689	0.705	0.721	0.736
Exog Emp (Thous)	0	0	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0	0	0
Manufacturing	0.363	0.369	0.375	0.38	0.385	0.389	0.393	0.397	0.4	0.404
Mining	0.923	0.885	0.85	0.816	0.783	0.752	0.72	0.69	0.661	0.634
Construction	0.849	0.854	0.86	0.866	0.869	0.872	0.874	0.875	0.875	0.875
Trans./Public Util.	0.486	0.493	0.501	0.507	0.513	0.519	0.523	0.528	0.531	0.535
Fin/Ins/Real Est	0.569	0.579	0.588	0.597	0.606	0.614	0.621	0.628	0.635	0.642
Retail Trade	1.987	2.019	2.051	2.082	2.107	2.129	2.148	2.163	2.175	2.187
Wholesale Trade	0.206	0.21	0.214	0.217	0.22	0.222	0.225	0.227	0.228	0.23
Services	5.924	6.051	6.178	6.3	6.41	6.514	6.61	6.704	6.794	6.882
Agri/For/Fish Serv	0.129	0.133	0.136	0.139	0.142	0.144	0.147	0.149	0.152	0.154
State and Local	1.879	1.918	1.956	1.992	2.024	2.054	2.082	2.107	2.131	2.153
Federal Civilian	0.198	0.2	0.201	0.202	0.203	0.203	0.204	0.204	0.204	0.204
Federal Military	0.09	0.091	0.091	0.092	0.092	0.093	0.093	0.093	0.094	0.094
Farm	0.231	0.228	0.226	0.224	0.222	0.219	0.217	0.215	0.213	0.211
Hotels	0.552	0.566	0.58	0.593	0.606	0.618	0.63	0.642	0.654	0.665
Amusem & Recr	0.368	0.374	0.38	0.387	0.392	0.398	0.403	0.409	0.414	0.419
Eating & Drinking	0.605	0.618	0.632	0.646	0.658	0.67	0.681	0.691	0.701	0.71
<b>Migrants</b>										
Total Migrants	0.491	0.483	0.473	0.453	0.419	0.379	0.336	0.295	0.256	0.22



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Adjusted Regional Control Levels (after DETR update)										
Nye County	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Emp (Thous)	15.309	15.414	15.51	15.607	15.711	15.817	15.929	16.044	16.165	16.307
Population (Thous)	45.916	46.509	47.091	47.665	48.241	48.817	49.398	49.987	50.585	51.201
GRP (Bil 92\$)	0.871	0.882	0.893	0.904	0.915	0.927	0.939	0.951	0.964	0.978
State & Local Gov Spending (Bil 92\$)	0.135	0.137	0.139	0.141	0.144	0.146	0.148	0.151	0.153	0.156
Real Disp Pers Inc (Bil 92\$)	0.804	0.814	0.823	0.833	0.844	0.855	0.867	0.878	0.89	0.905
Residential Investment (Bil 92\$)	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
Opt Res Capital Stock (Bil 92\$)	0.93	0.941	0.952	0.963	0.975	0.986	0.999	1.011	1.024	1.038
Act Res Capital Stock (Bil 92\$)	0.751	0.765	0.778	0.79	0.803	0.815	0.827	0.839	0.851	0.863
Exog Emp (Thous)	0	0	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0	0	0
Manufacturing	0.407	0.41	0.412	0.415	0.417	0.42	0.422	0.425	0.427	0.43
Mining	0.608	0.584	0.559	0.536	0.516	0.495	0.475	0.457	0.439	0.423
Construction	0.876	0.876	0.877	0.878	0.88	0.882	0.885	0.889	0.893	0.898
Trans./Public Util.	0.537	0.54	0.543	0.545	0.548	0.55	0.552	0.555	0.557	0.56
Fin/Ins/Real Est	0.648	0.655	0.661	0.667	0.674	0.681	0.688	0.696	0.703	0.712
Retail Trade	2.197	2.206	2.214	2.222	2.231	2.24	2.249	2.259	2.27	2.283
Wholesale Trade	0.231	0.232	0.233	0.234	0.235	0.236	0.237	0.237	0.238	0.239
Services	6.968	7.054	7.134	7.214	7.296	7.379	7.464	7.55	7.637	7.734
Agri/For/Fish Serv	0.156	0.158	0.161	0.163	0.165	0.167	0.17	0.172	0.174	0.177
State and Local	2.173	2.193	2.211	2.23	2.249	2.269	2.291	2.312	2.335	2.361
Federal Civilian	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
Federal Military	0.094	0.094	0.095	0.095	0.095	0.095	0.096	0.096	0.096	0.097
Farm	0.209	0.207	0.204	0.202	0.2	0.198	0.196	0.194	0.193	0.191
Hotels	0.677	0.688	0.7	0.711	0.722	0.734	0.746	0.757	0.769	0.781
Amusem & Recr	0.424	0.429	0.434	0.439	0.444	0.449	0.455	0.461	0.466	0.473
Eating & Drinking	0.72	0.729	0.739	0.748	0.758	0.769	0.78	0.791	0.802	0.815
<b>Migrants</b>										
Total Migrants	0.187	0.158	0.132	0.111	0.097	0.085	0.076	0.07	0.067	0.072

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Nye County</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	16.452	16.612	16.778	16.956	17.147	17.348	17.55	17.751
Population (Thous)	51.834	52.483	53.152	53.843	54.562	55.308	56.076	56.857
GRP (Bil 92\$)	0.992	1.007	1.023	1.039	1.056	1.075	1.093	1.112
State & Local Gov Spending (Bil 92\$)	0.159	0.162	0.164	0.168	0.171	0.175	0.178	0.182
Real Disp Pers Inc (Bil 92\$)	0.92	0.936	0.953	0.972	0.993	1.015	1.037	1.059
Residential Investment (Bil 92\$)	0.025	0.025	0.026	0.026	0.027	0.028	0.029	0.029
Opt Res Capital Stock (Bil 92\$)	1.052	1.068	1.086	1.104	1.125	1.146	1.166	1.187
Act Res Capital Stock (Bil 92\$)	0.875	0.887	0.9	0.914	0.928	0.943	0.958	0.974
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.433	0.435	0.438	0.441	0.444	0.448	0.451	0.454
Mining	0.407	0.393	0.379	0.365	0.353	0.342	0.33	0.32
Construction	0.904	0.911	0.919	0.928	0.938	0.948	0.958	0.967
Trans./Public Util.	0.563	0.567	0.57	0.574	0.578	0.582	0.586	0.591
Fin/Ins/Real Est	0.72	0.73	0.739	0.749	0.76	0.772	0.783	0.795
Retail Trade	2.298	2.314	2.332	2.352	2.375	2.399	2.422	2.444
Wholesale Trade	0.24	0.24	0.241	0.242	0.243	0.244	0.245	0.246
Services	7.83	7.932	8.035	8.144	8.258	8.376	8.495	8.611
Agri/For/Fish Serv	0.18	0.183	0.186	0.189	0.192	0.196	0.199	0.202
State and Local	2.389	2.418	2.45	2.483	2.519	2.558	2.597	2.638
Federal Civilian	0.204	0.205	0.205	0.205	0.206	0.206	0.207	0.207
Federal Military	0.097	0.097	0.098	0.098	0.099	0.099	0.1	0.1
Farm	0.189	0.187	0.185	0.183	0.181	0.179	0.178	0.176
Hotels	0.794	0.807	0.819	0.832	0.846	0.86	0.874	0.888
Amusem & Recr	0.479	0.486	0.494	0.501	0.509	0.517	0.526	0.534
Eating & Drinking	0.829	0.843	0.859	0.875	0.893	0.911	0.93	0.948
<b>Migrants</b>								
Total Migrants	0.077	0.081	0.088	0.095	0.109	0.12	0.124	0.12



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment</b>										
Total Emp (Thous)	0.02891	-0.009234	0.1563	0.1029	0.1529	0.1803	0.1984	0.213	0.2101	0.2749
Population (Thous)	0.1729	0.365	0.5841	0.7962	0.9983	1.204	1.396	1.577	1.741	1.913
GRP (Bil 92\$)	0.001192	-0.01314	-0.01195	-0.0189	-0.0155	-0.01481	-0.01491	-0.01527	-0.01802	-0.01205
State & Local Gov Spending (Bil 92\$)	0.000418	0.0009	0.001468	0.002037	0.002598	0.003182	0.003748	0.004292	0.004804	0.005332
Real Disp Pers Inc (Bil 92\$)	0.005679	0.01332	0.0202	0.02496	0.0313	0.03742	0.04339	0.04916	0.05454	0.06097
Residential Investment (Bil 92\$)	0.000883	0.001962	0.002761	0.003157	0.003717	0.00417	0.00454	0.004842	0.005055	0.005404
Opt Res Capital Stock (Bil 92\$)	0.006963	0.01634	0.02455	0.03035	0.03777	0.04486	0.05169	0.05829	0.06442	0.07175
Act Res Capital Stock (Bil 92\$)	0.000883	0.002831	0.005546	0.008614	0.01219	0.01617	0.02045	0.02496	0.02962	0.03455
Exog Emp (Thous)	0	-0.1538	-0.0332	-0.0832	-0.0542	-0.0462	-0.0432	-0.0412	-0.0522	-0.0142
Exog Prod (Bil 92\$)	0	-0.02679	-0.02697	-0.03759	-0.03467	-0.03544	-0.03706	-0.03886	-0.04371	-0.0373
Manufacturing	6.48E-05	0.001967	0.002005	0.001625	0.001284	0.001025	0.000752	0.00048	0.000206	3.69E-05
Mining	2.99E-05	-0.1884	-0.2408	-0.2938	-0.2631	-0.2547	-0.2516	-0.2496	-0.2614	-0.2205
Construction	0.004449	0.008693	0.01163	0.01112	0.01615	0.0194	0.02164	0.0233	0.02459	0.02884
Trans./Public Util.	0.000679	0.001874	0.002066	0.000932	0.001227	0.001325	0.001319	0.001276	0.000779	0.001769
Fin/Ins/Real Est	0.001031	0.002356	0.002352	0.001108	0.000391	-0.000122	-0.000547	-0.000872	-0.001254	-0.001069
Retail Trade	0.007954	0.02989	0.03978	0.04228	0.04883	0.05497	0.06053	0.06576	0.07023	0.07689
Wholesale Trade	0.000228	0.00125	0.00145	0.001091	0.00122	0.001293	0.001314	0.001311	0.001204	0.001542
Services	0.005781	0.1137	0.3072	0.2973	0.2954	0.2952	0.2932	0.2903	0.2864	0.2892
Agri/For/Fish Serv	0.000315	0.001657	0.002143	0.002307	0.002635	0.002959	0.003258	0.003507	0.003738	0.004081
State and Local	0.008375	0.01775	0.02849	0.0389	0.04884	0.05898	0.06852	0.07745	0.08565	0.09407
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	8.21E-05	-0.000162	-0.000644	-0.001429	-0.002179	-0.00291	-0.003584	-0.004171	-0.004654	-0.005001
Amusem & Recr	0.000439	0.001261	0.001742	0.001959	0.00234	0.002699	0.003049	0.003384	0.003709	0.004105
Eating & Drinking	0.002409	0.007822	0.01132	0.01256	0.0149	0.01717	0.01941	0.02167	0.02384	0.02642

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Changes caused by simulation (UNLV up)</b>										
Total Emp (Thous)	0.3437	0.4127	0.4806	0.5075	0.5321	0.5564	0.5806	0.6041	0.6272	0.6496
Population (Thous)	2.105	2.307	2.516	2.721	2.928	3.136	3.343	3.553	3.763	3.969
GRP (Bil 92\$)	-0.005649	0.000794	0.007196	0.007485	0.007624	0.007752	0.007809	0.007858	0.007864	0.007847
State & Local Gov Spending (Bil 92\$)	0.005926	0.006557	0.007215	0.007872	0.00853	0.009192	0.009862	0.01054	0.01122	0.0119
Real Disp Pers Inc (Bil 92\$)	0.06729	0.07385	0.08044	0.08666	0.09211	0.09754	0.1031	0.1085	0.1139	0.1194
Residential Investment (Bil 92\$)	0.005705	0.006006	0.006285	0.006482	0.006565	0.006649	0.00674	0.006819	0.00689	0.006969
Opt Res Capital Stock (Bil 92\$)	0.07898	0.08642	0.09391	0.1009	0.1072	0.1134	0.1197	0.1259	0.132	0.1382
Act Res Capital Stock (Bil 92\$)	0.03971	0.04508	0.05065	0.05633	0.062	0.06766	0.07332	0.07898	0.08461	0.09024
Exog Emp (Thous)	0.0238	0.0588	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.03032	-0.02333	-0.01639	-0.01759	-0.01885	-0.02014	-0.02155	-0.02298	-0.02447	-0.026
Manufacturing	-4.05E-05	-4.28E-05	1.50E-05	0.00015	0.000245	0.000339	0.000431	0.00052	0.000608	0.000687
Mining	-0.1798	-0.1424	-0.1083	-0.1084	-0.1085	-0.1086	-0.1088	-0.1089	-0.109	-0.1091
Construction	0.03296	0.03693	0.04062	0.04088	0.04165	0.04242	0.04322	0.04395	0.04463	0.04531
Trans./Public Util.	0.002894	0.004156	0.005503	0.006311	0.006842	0.007352	0.007839	0.008294	0.008714	0.009122
Fin/Ins/Real Est	-0.000425	0.000613	0.001959	0.003234	0.004355	0.005433	0.006481	0.007489	0.008458	0.00939
Retail Trade	0.08435	0.09249	0.101	0.1087	0.1151	0.1214	0.1275	0.1334	0.1389	0.1444
Wholesale Trade	0.001937	0.002377	0.002841	0.00309	0.003294	0.003492	0.003685	0.003866	0.004037	0.004202
Services	0.2938	0.3004	0.3083	0.3144	0.3199	0.3255	0.331	0.3365	0.3419	0.3472
Agri/For/Fish Serv	0.004428	0.004796	0.005174	0.005533	0.005835	0.006134	0.006436	0.006732	0.007022	0.007312
State and Local	0.1035	0.1134	0.1236	0.1335	0.1433	0.153	0.1627	0.1723	0.1818	0.1911
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	-0.005323	-0.005608	-0.005866	-0.006119	-0.006349	-0.006542	-0.0067	-0.006824	-0.006914	-0.006976
Amusem & Recr	0.004472	0.004856	0.005239	0.005581	0.005849	0.006117	0.006392	0.00666	0.006921	0.00719
Eating & Drinking	0.02907	0.03193	0.03491	0.03772	0.04009	0.04246	0.04485	0.04716	0.04943	0.05173

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
<b>Changes caused by simulation (UNLV up)</b>										
Total Emp (Thous)	0.6699	0.6896	0.7081	0.7253	0.7434	0.7603	0.7767	0.7918	0.806	0.8217
Population (Thous)	4.173	4.376	4.579	4.782	4.983	5.182	5.376	5.568	5.756	5.939
GRP (Bil 92\$)	0.007673	0.00749	0.007147	0.006772	0.006461	0.005982	0.005411	0.00474	0.003954	0.00328
State & Local Gov Spending (Bil 92\$)	0.01256	0.01323	0.01389	0.01456	0.01524	0.01591	0.01658	0.01724	0.01789	0.01856
Real Disp Pers Inc (Bil 92\$)	0.1243	0.1292	0.1339	0.1386	0.1435	0.1482	0.1529	0.1574	0.1617	0.1667
Residential Investment (Bil 92\$)	0.006989	0.007008	0.007009	0.007021	0.00705	0.007055	0.007068	0.007059	0.007039	0.00709
Opt Res Capital Stock (Bil 92\$)	0.1439	0.1495	0.1549	0.1603	0.1658	0.171	0.1762	0.1812	0.186	0.1912
Act Res Capital Stock (Bil 92\$)	0.09579	0.1013	0.1067	0.112	0.1173	0.1225	0.1276	0.1326	0.1375	0.1425
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02763	-0.02928	-0.0311	-0.03294	-0.03476	-0.03676	-0.03888	-0.04107	-0.04338	-0.04568
Manufacturing	0.000756	0.000819	0.000875	0.000952	0.000996	0.001029	0.001055	0.001071	0.001083	0.001093
Mining	-0.1091	-0.1092	-0.1092	-1.09E-01	-1.09E-01	-1.09E-01	-0.1093	-0.1093	-0.1093	-0.1093
Construction	0.04567	0.04602	0.04626	0.04553	0.04588	0.04606	0.04627	0.04634	0.04635	0.04665
Trans./Public Util.	0.00944	0.009737	0.009975	0.01034	0.01056	0.01072	0.01087	0.01096	0.01102	0.01114
Fin/Ins/Real Est	0.01023	0.01105	0.0118	0.01257	0.0133	0.01398	0.01464	0.01525	0.01583	0.01646
Retail Trade	0.1491	0.1536	0.1576	0.1616	0.1655	0.169	0.1725	0.1755	0.1782	0.1815
Wholesale Trade	0.004337	0.004464	0.004572	0.004679	0.00478	0.004861	0.004935	0.004992	0.005037	0.005098
Services	0.3518	0.3563	0.3603	0.3639	0.3677	0.3711	0.3742	0.3769	0.3792	0.382
Agri/For/Fish Serv	0.007571	0.007825	0.008064	0.00831	0.00855	0.008774	0.008997	0.009202	0.009396	0.009622
State and Local	0.2001	0.2091	0.2179	0.2267	0.2354	0.2441	0.2526	0.2609	0.2692	0.2775
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	-0.007022	-0.007048	-0.007059	-0.007062	-0.007059	-0.007056	-0.007049	-0.00704	-0.007028	-0.007008
Amusem & Recr	0.007409	0.007623	0.007813	0.007998	0.008192	0.008361	0.00853	0.008672	0.008796	0.008973
Eating & Drinking	0.05378	0.05581	0.05772	0.05964	0.06161	0.06346	0.06533	0.06708	0.06876	0.07074

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2028	2029	2030	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV up)</b>								
Total Emp (Thous)	0.8364	0.8509	0.8646	0.8774	0.8901	0.9012	0.9106	0.9187
Population (Thous)	6.116	6.284	6.443	6.588	6.721	6.84	6.95	7.052
GRP (Bil 92\$)	0.00242	0.001579	0.00057	-0.000603	-0.001703	-0.00303	-0.004569	-0.006112
State & Local Gov Spending (Bil 92\$)	0.01922	0.01986	0.02047	0.02105	0.02162	0.02216	0.02268	0.02317
Real Disp Pers Inc (Bil 92\$)	0.1716	0.1765	0.1814	0.1863	0.1916	0.1967	0.2014	0.2058
Residential Investment (Bil 92\$)	0.007127	0.007172	0.007219	0.007266	0.007334	0.007372	0.007364	0.007323
Opt Res Capital Stock (Bil 92\$)	0.1963	0.2015	0.2066	0.2117	0.2169	0.2219	0.2265	0.2308
Act Res Capital Stock (Bil 92\$)	0.1473	0.1521	0.1569	0.1617	0.1665	0.1712	0.1759	0.1804
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.04818	-0.05066	-0.05331	-0.05616	-0.05895	-0.06194	-0.06515	-0.06825
Manufacturing	0.001097	0.001096	0.001091	0.001078	0.001064	0.001041	0.00101	0.000974
Mining	-0.1093	-0.1092	-0.1092	-0.1092	-0.1091	-0.1091	-0.109	-0.109
Construction	0.04683	0.04703	0.04719	0.0473	0.04747	0.04744	0.04722	0.04686
Trans./Public Util.	0.01121	0.01128	0.01133	0.01136	0.01141	0.01141	0.01136	0.01129
Fin/Ins/Real Est	0.01705	0.01764	0.01819	0.01872	0.01926	0.01975	0.0202	0.02062
Retail Trade	0.1846	0.1878	0.1909	0.194	0.1974	0.2005	0.2031	0.2052
Wholesale Trade	0.005145	0.005189	0.005226	0.005258	0.005296	0.005318	0.005323	0.005315
Services	0.3844	0.3866	0.3887	0.3905	0.3922	0.3935	0.3942	0.3946
Agri/For/Fish Serv	0.009838	0.01006	0.01027	0.01049	0.01071	0.01092	0.01111	0.01128
State and Local	0.2855	0.2934	0.3009	0.3079	0.3144	0.3205	0.3261	0.3315
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-0.006989	-0.006969	-0.006948	-0.006931	-0.006916	-0.006916	-0.006931	-0.006957
Amusem & Recr	0.009136	0.009304	0.009473	0.009644	0.009839	0.01001	0.01016	0.01027
Eating & Drinking	0.07267	0.07466	0.07669	0.07878	0.08102	0.08319	0.08521	0.08707

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment										
Nye County	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Emp (Thous)	11.49591	11.75177	12.1143	12.3519	12.6529	12.9083	13.1624	13.42	13.6711	13.9189
Population (Thous)	28.9189	30.443	31.8781	33.2142	34.4553	35.626	36.738	37.804	38.819	39.823
GRP (Bil 92\$)	0.573192	0.57886	0.58905	0.6041	0.6225	0.64119	0.66009	0.67973	0.69898	0.71895
State & Local Gov Spending (Bil 92\$)	0.068418	0.0729	0.077468	0.083037	0.087598	0.092182	0.095748	0.100292	0.104804	0.108332
Real Disp Pers Inc (Bil 92\$)	0.468679	0.49932	0.5242	0.54896	0.5763	0.60242	0.62939	0.65516	0.68054	0.70497
Residential Investment (Bil 92\$)	0.031883	0.032962	0.032761	0.033157	0.032717	0.03317	0.03354	0.032842	0.033055	0.033404
Opt Res Capital Stock (Bil 92\$)	0.574963	0.61334	0.63655	0.66735	0.69477	0.72286	0.74969	0.77729	0.80342	0.82975
Act Res Capital Stock (Bil 92\$)	0.344883	0.373831	0.402546	0.430614	0.45819	0.48517	0.51245	0.53896	0.56462	0.59055
Exog Emp (Thous)	0	-0.1538	-0.0332	-0.0832	-0.0542	-0.0462	-0.0432	-0.0412	-0.0522	-0.0142
Exog Prod (Bil 92\$)	0	-0.02679	-0.02697	-0.03759	-0.03467	-0.03544	-0.03706	-0.03886	-0.04371	-0.0373
Manufacturing	0.284065	0.298967	0.306005	0.314625	0.323284	0.330025	0.337752	0.34448	0.351206	0.357037
Mining	1.23903	0.9666	0.8122	0.7422	0.7429	0.7423	0.7404	0.7404	0.7436	0.7435
Construction	0.776449	0.799693	0.80863	0.81212	0.83115	0.8394	0.84664	0.8563	0.86759	0.87484
Trans./Public Util.	0.364679	0.379874	0.393066	0.405932	0.420227	0.432325	0.445319	0.458276	0.471779	0.480769
Fin/Ins/Real Est	0.458031	0.474356	0.487352	0.500108	0.511391	0.519879	0.530453	0.540128	0.549746	0.558931
Retail Trade	1.634954	1.72089	1.77678	1.82328	1.87483	1.91297	1.94853	1.98276	2.00823	2.03089
Wholesale Trade	0.161228	0.16725	0.17245	0.176091	0.18222	0.186293	0.191314	0.196311	0.200204	0.204542
Services	4.564781	4.8437	5.1812	5.3323	5.4604	5.5772	5.6972	5.8213	5.9464	6.0862
Agri/For/Fish Serv	0.100315	0.104657	0.108143	0.111307	0.114635	0.117959	0.121258	0.123507	0.126738	0.130081
State and Local	1.382375	1.46175	1.53549	1.6019	1.66484	1.72298	1.78052	1.83345	1.88565	1.93407
Federal Civilian	0.194	0.196	0.196	0.196	0.196	0.196	0.196	0.195	0.195	0.197
Federal Military	0.073	0.078	0.081	0.082	0.083	0.084	0.086	0.087	0.088	0.089
Farm	0.263	0.259	0.256	0.253	0.249	0.246	0.242	0.239	0.235	0.233
Hotels	0.415082	0.429838	0.444356	0.458571	0.471821	0.48409	0.496416	0.508829	0.521346	0.532999
Amusem & Recr	0.267439	0.279261	0.290742	0.302959	0.31434	0.324699	0.335049	0.346384	0.357709	0.366105
Eating & Drinking	0.448409	0.469822	0.49032	0.50956	0.5299	0.54817	0.56741	0.58667	0.60384	0.61842
Population Changes & Levels										
Test results: Nye cnty pop changes after siml Change (1000)	6.761	8.394	9.362	10.27	11.09	11.85	12.54	13.16	13.81	14.5
Test results: Nye cnty pop output after siml Level (1000)	35.507	38.472	40.656	42.688	44.547	46.272	47.882	49.387	50.888	52.41

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Levels after simulation (UNLV update + m										
Nye County	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total Emp (Thous)	14.1777	14.4427	14.7066	14.9215	15.1071	15.2804	15.4376	15.5831	15.7212	15.8546
Population (Thous)	40.83	41.846	42.865	43.866	44.842	45.787	46.699	47.584	48.442	49.276
GRP (Bil 92\$)	0.739351	0.759794	0.781196	0.795485	0.809624	0.821752	0.833809	0.845858	0.856864	0.868847
State & Local Gov Spending (Bil 92\$)	0.111926	0.115557	0.120215	0.123872	0.12753	0.131192	0.134862	0.13754	0.14122	0.1439
Real Disp Pers Inc (Bil 92\$)	0.72829	0.75285	0.77744	0.80166	0.82311	0.84354	0.8621	0.8805	0.8969	0.9134
Residential Investment (Bil 92\$)	0.033705	0.033006	0.033285	0.033482	0.033565	0.033649	0.03374	0.032819	0.03289	0.031969
Opt Res Capital Stock (Bil 92\$)	0.85498	0.88142	0.90791	0.9339	0.9572	0.9804	1.0017	1.0209	1.039	1.0572
Act Res Capital Stock (Bil 92\$)	0.61571	0.64108	0.66565	0.69133	0.715	0.73866	0.76232	0.78398	0.80561	0.82624
Exog Emp (Thous)	0.0238	0.0588	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.03032	-0.02333	-0.01639	-0.01759	-0.01885	-0.02014	-0.02155	-0.02298	-0.02447	-0.026
Manufacturing	0.36296	0.368957	0.375015	0.38015	0.385245	0.389339	0.393431	0.39752	0.400608	0.404687
Mining	0.7432	0.7426	0.7417	0.7076	0.6745	0.6434	0.6112	0.5811	0.552	0.5249
Construction	0.88196	0.89093	0.90062	0.90688	0.91065	0.91442	0.91722	0.91895	0.91963	0.92031
Trans./Public Util.	0.488894	0.497156	0.506503	0.513311	0.519842	0.526352	0.530839	0.536294	0.539714	0.544122
Fin/Ins/Real Est	0.568575	0.579613	0.589959	0.600234	0.610355	0.619433	0.627481	0.635489	0.643458	0.65139
Retail Trade	2.07135	2.11149	2.152	2.1907	2.2221	2.2504	2.2755	2.2964	2.3139	2.3314
Wholesale Trade	0.207937	0.212377	0.216841	0.22009	0.223294	0.225492	0.228685	0.230866	0.232037	0.234202
Services	6.2178	6.3514	6.4863	6.6144	6.7299	6.8395	6.941	7.0405	7.1359	7.2292
Agri/For/Fish Serv	0.133428	0.137796	0.141174	0.144533	0.147835	0.150134	0.153436	0.155732	0.159022	0.161312
State and Local	1.9825	2.0314	2.0796	2.1255	2.1673	2.207	2.2447	2.2793	2.3128	2.3441
Federal Civilian	0.198	0.2	0.201	0.202	0.203	0.203	0.204	0.204	0.204	0.204
Federal Military	0.09	0.091	0.091	0.092	0.092	0.093	0.093	0.093	0.094	0.094
Farm	0.231	0.228	0.226	0.224	0.222	0.219	0.217	0.215	0.213	0.211
Hotels	0.546677	0.560392	0.574134	0.586881	0.599651	0.611458	0.6233	0.635176	0.647086	0.658024
Amusem & Recr	0.372472	0.378856	0.385239	0.392581	0.397849	0.404117	0.409392	0.41566	0.420921	0.42619
Eating & Drinking	0.63407	0.64993	0.66691	0.68372	0.69809	0.71246	0.72585	0.73816	0.75043	0.76173
Population Changes & Levels										
Test results: Nye cnty pop changes after siml Change (1000)	15.17	15.81	16.41	16.95	17.44	17.87	18.26	18.61	18.95	19.28
Test results: Nye cnty pop output after siml Level (1000)	53.895	55.349	56.759	58.095	59.354	60.521	61.616	62.641	63.629	64.587

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Levels after simulation (UNLV update + m										
Nye County	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Emp (Thous)	15.9789	16.1036	16.2181	16.3323	16.4544	16.5773	16.7057	16.8358	16.971	17.1287
Population (Thous)	50.089	50.885	51.67	52.447	53.224	53.999	54.774	55.555	56.341	57.14
GRP (Bil 92\$)	0.878673	0.88949	0.900147	0.910772	0.921461	0.932982	0.944411	0.95574	0.967954	0.98128
State & Local Gov Spending (Bil 92\$)	0.14756	0.15023	0.15289	0.15556	0.15924	0.16191	0.16458	0.16824	0.17089	0.17456
Real Disp Pers Inc (Bil 92\$)	0.9283	0.9432	0.9569	0.9716	0.9875	1.0032	1.0199	1.0354	1.0517	1.0717
Residential Investment (Bil 92\$)	0.031989	0.031008	0.031009	0.031021	0.03105	0.031055	0.031068	0.031059	0.031039	0.03109
Opt Res Capital Stock (Bil 92\$)	1.0739	1.0905	1.1069	1.1233	1.1408	1.157	1.1752	1.1922	1.21	1.2292
Act Res Capital Stock (Bil 92\$)	0.84679	0.8663	0.8847	0.902	0.9203	0.9375	0.9546	0.9716	0.9885	1.0055
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02763	-0.02928	-0.0311	-0.03294	-0.03476	-0.03676	-0.03888	-0.04107	-0.04338	-0.04568
Manufacturing	0.407756	0.410819	0.412875	0.415952	0.417996	0.421029	0.423055	0.426071	0.428083	0.431093
Mining	0.4989	0.4748	0.4498	0.4267	0.4067	0.3857	0.3657	0.3477	0.3297	0.3137
Construction	0.92167	0.92202	0.92326	0.92353	0.92588	0.92806	0.93127	0.93534	0.93935	0.94465
Trans./Public Util.	0.54644	0.549737	0.552975	0.55534	0.55856	0.56072	0.56287	0.56596	0.56802	0.57114
Fin/Ins/Real Est	0.65823	0.66605	0.6728	0.67957	0.6873	0.69498	0.70264	0.71125	0.71883	0.72846
Retail Trade	2.3461	2.3596	2.3716	2.3836	2.3965	2.409	2.4215	2.4345	2.4482	2.4645
Wholesale Trade	0.235337	0.236464	0.237572	0.238679	0.23978	0.240861	0.241935	0.241992	0.243037	0.244098
Services	7.3198	7.4103	7.4943	7.5779	7.6637	7.7501	7.8382	7.9269	8.0162	8.116
Agri/For/Fish Serv	0.163571	0.165825	0.169064	0.17131	0.17355	0.175774	0.178997	0.181202	0.183396	0.186622
State and Local	2.3731	2.4021	2.4289	2.4567	2.4844	2.5131	2.5436	2.5729	2.6042	2.6385
Federal Civilian	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
Federal Military	0.094	0.094	0.095	0.095	0.095	0.095	0.096	0.096	0.096	0.097
Farm	0.209	0.207	0.204	0.202	0.2	0.198	0.196	0.194	0.193	0.191
Hotels	0.669978	0.680952	0.692941	0.703938	0.714941	0.726944	0.738951	0.74996	0.761972	0.773992
Amusem & Recr	0.431409	0.436623	0.441813	0.446998	0.452192	0.457361	0.46353	0.469672	0.474796	0.481973
Eating & Drinking	0.77378	0.78481	0.79672	0.80764	0.81961	0.83246	0.84533	0.85808	0.87076	0.88574
Population Changes & Levels										
Test results: Nye cnty pop changes after siml Change (1000)	19.6	19.93	20.26	20.61	20.96	21.31	21.68	22.06	22.37	22.7
Test results: Nye cnty pop output after siml Level (1000)	65.516	66.439	67.351	68.275	69.201	70.127	71.078	72.047	72.955	73.901



### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Levels after simulation (UNLV update + m)								
Nye County	2028	2029	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	17.2884	17.4629	17.6426	17.8334	18.0371	18.2492	18.4606	18.6697
Population (Thous)	57.95	58.767	59.595	60.431	61.283	62.148	63.026	63.909
GRP (Bil 92\$)	0.99442	1.008579	1.02357	1.038397	1.054297	1.07197	1.088431	1.105888
State & Local Gov Spending (Bil 92\$)	0.17822	0.18186	0.18447	0.18905	0.19262	0.19716	0.20068	0.20517
Real Disp Pers Inc (Bil 92\$)	1.0916	1.1125	1.1344	1.1583	1.1846	1.2117	1.2384	1.2648
Residential Investment (Bil 92\$)	0.032127	0.032172	0.033219	0.033266	0.034334	0.035372	0.036364	0.036323
Opt Res Capital Stock (Bil 92\$)	1.2483	1.2695	1.2926	1.3157	1.3419	1.3679	1.3925	1.4178
Act Res Capital Stock (Bil 92\$)	1.0223	1.0391	1.0569	1.0757	1.0945	1.1142	1.1339	1.1544
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.04818	-0.05066	-0.05331	-0.05616	-0.05895	-0.06194	-0.06515	-0.06825
Manufacturing	0.434097	0.436096	0.439091	0.442078	0.445064	0.449041	0.45201	0.454974
Mining	0.2977	0.2838	0.2698	0.2558	0.2439	0.2329	0.221	0.211
Construction	0.95083	0.95803	0.96619	0.9753	0.98547	0.99544	1.00522	1.01386
Trans./Public Util.	0.57421	0.57828	0.58133	0.58536	0.58941	0.59341	0.59736	0.60229
Fin/Ins/Real Est	0.73705	0.74764	0.75719	0.76772	0.77926	0.79175	0.8032	0.81562
Retail Trade	2.4826	2.5018	2.5229	2.546	2.5724	2.5995	2.6251	2.6492
Wholesale Trade	0.245145	0.245189	0.246226	0.247258	0.248296	0.249318	0.250323	0.251315
Services	8.2144	8.3186	8.4237	8.5345	8.6502	8.7695	8.8892	9.0056
Agri/For/Fish Serv	0.189838	0.19306	0.19627	0.19949	0.20271	0.20692	0.21011	0.21328
State and Local	2.6745	2.7114	2.7509	2.7909	2.8334	2.8785	2.9231	2.9695
Federal Civilian	0.204	0.205	0.205	0.205	0.206	0.206	0.207	0.207
Federal Military	0.097	0.097	0.098	0.098	0.099	0.099	0.1	0.1
Farm	0.189	0.187	0.185	0.183	0.181	0.179	0.178	0.176
Hotels	0.787011	0.800031	0.812052	0.825069	0.839084	0.853084	0.867069	0.881043
Amusem & Recr	0.488136	0.495304	0.503473	0.510644	0.518839	0.52701	0.53616	0.54427
Eating & Drinking	0.90167	0.91766	0.93569	0.95378	0.97402	0.99419	1.01521	1.03507
Population Changes & Levels								
Test results: Nye cnty pop changes after siml Change (1000)	23.05	23.42	23.8	24.19	24.59	24.9	25.23	25.56
Test results: Nye cnty pop output after siml Level (1000)	74.884	75.903	76.952	78.033	79.152	80.208	81.306	82.417



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE										
CHANGES										
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment										
Nye County	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Employment (Thous)	0.5559	0.6533	0.9251	0.9772	1.131	1.253	1.361	1.458	1.539	1.682
Population (Thous)	6.761	8.394	9.362	10.27	11.09	11.85	12.54	13.16	13.81	14.5
GRP (Bil 92\$)	0.02354	0.01432	0.01945	0.01675	0.02412	0.02858	0.03213	0.0351	0.03582	0.04502
State & Local Gov Spending (Bil 92\$)	0.01635	0.0207	0.02354	0.02626	0.02887	0.03133	0.03365	0.03582	0.0381	0.04042
Real Disp Pers Inc (Bil 92\$)	0.0425	0.05874	0.07244	0.08477	0.09844	0.1115	0.1243	0.1366	0.1487	0.1618
Residential Investment (Bil 92\$)	0.006607	0.008311	0.009317	0.01009	0.01088	0.01147	0.01196	0.01234	0.01266	0.01311
Opt Res Capital Stock (Bil 92\$)	0.0521	0.07204	0.08803	0.103	0.1188	0.1336	0.1481	0.162	0.1756	0.1904
Act Res Capital Stock (Bil 92\$)	0.006607	0.01481	0.02389	0.0336	0.04393	0.0547	0.06578	0.07707	0.0885	0.1002
Exog Emp (Thous)	0	-0.1538	-0.0332	-0.0832	-0.0542	-0.0462	-0.0432	-0.0412	-0.0522	-0.0142
Exog Prod (Bil 92\$)	0	-0.02669	-0.02681	-0.03735	-0.03441	-0.03514	-0.0367	-0.03844	-0.0432	-0.0368
Manufacturing	0.003864	0.007461	0.008969	0.01002	0.01111	0.01218	0.01317	0.01404	0.01482	0.01568
Mining	0.00657	-0.1782	-0.2279	-0.2778	-0.2444	-0.2332	-0.2275	-0.2229	-0.2318	-0.1898
Construction	0.0585	0.07147	0.08254	0.0882	0.1011	0.1103	0.1182	0.1246	0.1309	0.1394
Trans./Public Util.	0.006829	0.01047	0.01315	0.0146	0.01755	0.0202	0.02281	0.02529	0.02737	0.03059
Fin/Ins/Real Est	0.01959	0.0223	0.02304	0.02269	0.02295	0.02351	0.02437	0.02545	0.02686	0.02892
Retail Trade	0.03773	0.07061	0.09358	0.1105	0.132	0.1522	0.1718	0.1904	0.2075	0.2257
Wholesale Trade	0.002924	0.004856	0.006012	0.006632	0.007788	0.00883	0.009821	0.01073	0.01152	0.0127
Services	0.08922	0.2308	0.4624	0.4931	0.5311	0.568	0.6024	0.6321	0.6594	0.6919
Agri/For/Fish Serv	0.0032	0.005313	0.006623	0.007627	0.008806	0.009931	0.01103	0.01201	0.013	0.01402
State and Local	0.3275	0.4082	0.4567	0.5015	0.5427	0.5806	0.6151	0.6464	0.6792	0.7132
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	0.004877	0.01023	0.01629	0.02263	0.02907	0.03534	0.0414	0.04723	0.05283	0.05802
Amusem & Recr	0.001748	0.00356	0.005282	0.006827	0.008514	0.01016	0.01184	0.01348	0.01513	0.01668
Eating & Drinking	0.004722	0.01198	0.01856	0.02352	0.02974	0.03585	0.04212	0.04841	0.05457	0.06081
<b>Changes in Migrants</b>										
Total Migrants	6.747	1.475	0.7867	0.7153	0.6268	0.5638	0.4963	0.4405	0.4757	0.5306

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DEV										
CHANGES										
Changes caused by simulation (UNLV up)										
Nye County	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Employment (Thous)	1.824	1.964	2.098	2.187	2.262	2.331	2.398	2.458	2.512	2.565
Population (Thous)	15.17	15.81	16.41	16.95	17.44	17.87	18.26	18.61	18.95	19.28
GRP (Bil 92\$)	0.05437	0.06365	0.07264	0.07541	0.07756	0.07945	0.0812	0.08271	0.08398	0.08522
State & Local Gov Spending (Bil 92\$)	0.04269	0.04493	0.04706	0.04904	0.0508	0.0524	0.05386	0.05522	0.0565	0.0578
Real Disp Pers Inc (Bil 92\$)	0.1739	0.1861	0.1981	0.2095	0.2187	0.2274	0.236	0.244	0.2513	0.2588
Residential Investment (Bil 92\$)	0.01338	0.01365	0.01388	0.01401	0.01385	0.01367	0.01351	0.0133	0.01305	0.01286
Opt Res Capital Stock (Bil 92\$)	0.2041	0.2178	0.2313	0.2441	0.2545	0.2644	0.2741	0.2831	0.2913	0.2997
Act Res Capital Stock (Bil 92\$)	0.112	0.1239	0.1358	0.1476	0.1591	0.1703	0.1811	0.1915	0.2015	0.2112
Exog Emp (Thous)	0.0238	0.0588	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02986	-0.02293	-0.01606	-0.01722	-0.01843	-0.01966	-0.02102	-0.02239	-0.02382	-0.02528
Manufacturing	0.01662	0.01766	0.01873	0.01985	0.02087	0.02183	0.0228	0.0237	0.02452	0.02532
Mining	-0.1482	-0.1101	-0.07548	-0.0752	-0.07515	-0.07522	-0.07551	-0.07586	-0.07632	-0.07684
Construction	0.147	0.1543	0.1609	0.1638	0.1658	0.1673	0.1689	0.1698	0.1702	0.1708
Trans./Public Util.	0.03383	0.03722	0.04066	0.04354	0.04588	0.04809	0.05025	0.05222	0.05397	0.05568
Fin/Ins/Real Est	0.03148	0.0346	0.03809	0.0416	0.04473	0.04775	0.05076	0.05363	0.0564	0.05917
Retail Trade	0.2447	0.2644	0.284	0.3028	0.318	0.3323	0.3464	0.3592	0.3707	0.382
Wholesale Trade	0.01391	0.01515	0.01637	0.01737	0.01822	0.01902	0.01979	0.0205	0.02114	0.02175
Services	0.7242	0.7581	0.7921	0.8238	0.8518	0.8786	0.9056	0.9309	0.9542	0.9763
Agri/For/Fish Serv	0.01501	0.01603	0.01703	0.01801	0.01881	0.01958	0.02036	0.02108	0.02173	0.02238
State and Local	0.7457	0.777	0.806	0.8319	0.8533	0.872	0.8883	0.9025	0.9157	0.9281
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	0.06318	0.0681	0.07281	0.07734	0.08166	0.08581	0.08983	0.09369	0.09734	0.1008
Amusem & Recr	0.01805	0.01944	0.02082	0.02218	0.02334	0.02447	0.02563	0.02673	0.02774	0.02874
Eating & Drinking	0.06685	0.07315	0.07955	0.08585	0.09111	0.09627	0.1015	0.1064	0.1111	0.1157
Changes in Migrants										
Total Migrants	0.5075	0.4864	0.455	0.3977	0.3414	0.2878	0.2387	0.2021	0.1878	0.1763

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DEV										
CHANGES										
Changes caused by simulation (UNLV up)										
Nye County	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Employment (Thous)	2.61	2.655	2.695	2.732	2.769	2.803	2.839	2.873	2.899	2.93
Population (Thous)	19.6	19.93	20.26	20.61	20.96	21.31	21.68	22.06	22.37	22.7
GRP (Bil 92\$)	0.08609	0.08696	0.08755	0.08803	0.08861	0.08896	0.08933	0.08956	0.08935	0.08948
State & Local Gov Spending (Bil 92\$)	0.05902	0.06026	0.06149	0.06274	0.06409	0.06542	0.06685	0.0683	0.06953	0.07095
Real Disp Pers Inc (Bil 92\$)	0.2651	0.2717	0.2777	0.2835	0.2899	0.2957	0.3022	0.3083	0.3137	0.3206
Residential Investment (Bil 92\$)	0.01257	0.01236	0.01212	0.01191	0.01178	0.01161	0.01156	0.01148	0.01132	0.01133
Opt Res Capital Stock (Bil 92\$)	0.3069	0.3143	0.3212	0.3279	0.3348	0.3412	0.3483	0.355	0.3608	0.3677
Act Res Capital Stock (Bil 92\$)	0.2204	0.2293	0.2377	0.2459	0.2537	0.2613	0.2687	0.276	0.2829	0.2897
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02684	-0.02842	-0.03015	-0.03192	-0.03366	-0.03556	-0.03759	-0.03968	-0.04189	-0.04408
Manufacturing	0.026	0.02664	0.02719	0.02773	0.02818	0.02858	0.02892	0.02924	0.02948	0.0297
Mining	-0.07747	-0.07812	-0.07889	-0.07968	-0.08041	-0.08121	-0.08204	-0.08285	-0.08368	-0.08445
Construction	0.1707	0.1709	0.1707	0.1696	0.1697	0.1697	0.1701	0.1704	0.1699	0.1704
Trans./Public Util.	0.0571	0.05847	0.05963	0.06081	0.06182	0.06266	0.06349	0.0642	0.06472	0.06533
Fin/Ins/Real Est	0.06176	0.06438	0.06688	0.06936	0.07185	0.07426	0.07672	0.07912	0.08121	0.08355
Retail Trade	0.3911	0.4002	0.408	0.415	0.4219	0.4278	0.434	0.4394	0.4438	0.4494
Wholesale Trade	0.02226	0.02274	0.02315	0.0235	0.02383	0.0241	0.02435	0.02455	0.02468	0.02484
Services	0.9956	1.014	1.03	1.044	1.057	1.068	1.079	1.089	1.096	1.104
Agri/For/Fish Serv	0.02294	0.02349	0.02399	0.02447	0.02494	0.02536	0.02581	0.02623	0.02658	0.027
State and Local	0.94	0.9522	0.9642	0.9769	0.9901	1.004	1.019	1.034	1.046	1.061
Federal Civilian	0	0	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0	0	0
Hotels	0.104	0.1069	0.1096	0.1121	0.1144	0.1165	0.1185	0.1203	0.1219	0.1234
Amusem & Recr	0.02959	0.03043	0.03118	0.03186	0.03253	0.03313	0.03376	0.03431	0.03477	0.03532
Eating & Drinking	0.1198	0.1238	0.1276	0.1311	0.1348	0.1381	0.1416	0.1449	0.148	0.1515
Changes in Migrants										
Total Migrants	0.1681	0.1686	0.1745	0.1847	0.1936	0.203	0.2189	0.2361	0.1665	0.2025

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV up)								
Nye County	2028	2029	2030	2031	2032	2033	2034	2035
Employment (Thous)	2.96	2.997	3.034	3.072	3.113	3.147	3.183	3.217
Population (Thous)	23.05	23.42	23.8	24.19	24.59	24.9	25.23	25.56
GRP (Bil 92\$)	0.08944	0.08975	0.08997	0.09012	0.09052	0.09045	0.09046	0.09038
State & Local Gov Spending (Bil 92\$)	0.07243	0.07401	0.07561	0.0773	0.07911	0.08067	0.08232	0.08397
Real Disp Pers Inc (Bil 92\$)	0.3273	0.3355	0.3441	0.3532	0.3635	0.3732	0.3838	0.394
Residential Investment (Bil 92\$)	0.01135	0.01158	0.01186	0.01218	0.01256	0.01284	0.0132	0.01351
Opt Res Capital Stock (Bil 92\$)	0.3746	0.383	0.392	0.4015	0.4116	0.4212	0.4316	0.4418
Act Res Capital Stock (Bil 92\$)	0.2965	0.3034	0.3104	0.3177	0.3252	0.3329	0.3408	0.3489
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.04647	-0.04884	-0.05138	-0.0541	-0.05676	-0.05963	-0.06269	-0.06566
Manufacturing	0.02987	0.03005	0.0302	0.03032	0.03041	0.03047	0.03054	0.0305
Mining	-0.08525	-0.08596	-0.0867	-0.08745	-0.08812	-0.08879	-0.08946	-0.09005
Construction	0.1707	0.1722	0.1738	0.1755	0.1776	0.1788	0.1804	0.1815
Trans./Public Util.	0.06585	0.06653	0.06716	0.06773	0.0684	0.06895	0.0695	0.06998
Fin/Ins/Real Est	0.08587	0.08841	0.09097	0.09357	0.0963	0.09875	0.1013	0.1039
Retail Trade	0.4544	0.4613	0.4684	0.4756	0.4835	0.491	0.4993	0.5067
Wholesale Trade	0.02495	0.0251	0.02523	0.02534	0.02548	0.02556	0.02565	0.0257
Services	1.11	1.118	1.125	1.132	1.139	1.145	1.152	1.156
Agri/For/Fish Serv	0.0274	0.02789	0.0284	0.02893	0.0295	0.03004	0.03063	0.03118
State and Local	1.076	1.093	1.111	1.13	1.15	1.167	1.184	1.201
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.1248	0.126	0.1271	0.1281	0.1291	0.13	0.1308	0.1316
Amusem & Recr	0.03583	0.03647	0.03712	0.03778	0.03851	0.03922	0.04	0.04074
Eating & Drinking	0.155	0.1592	0.1636	0.1682	0.1732	0.1781	0.1835	0.1887
Changes in Migrants								
Total Migrants	0.227	0.2532	0.2764	0.2906	0.3017	0.2205	0.2399	0.2473

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

LEVELS: Dollar amounts are in 1992 Constant Dollars										
Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment										
Nye County	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Employment (Thous)	12.0229	12.4143	12.8831	13.2262	13.631	13.981	14.325	14.665	15	15.326
Population (Thous)	35.507	38.472	40.656	42.688	44.547	46.272	47.882	49.387	50.888	52.41
GRP (Bil 92\$)	0.59554	0.60632	0.62045	0.63975	0.66212	0.68458	0.70713	0.7301	0.75282	0.77602
State & Local Gov Spending (Bil 92\$)	0.08435	0.0927	0.09954	0.10726	0.11387	0.12033	0.12565	0.13182	0.1381	0.14342
Real Disp Pers Inc (Bil 92\$)	0.5055	0.54474	0.57644	0.60877	0.64344	0.6765	0.7103	0.7426	0.7747	0.8058
Residential Investment (Bil 92\$)	0.037607	0.039311	0.039317	0.04009	0.03988	0.04047	0.04096	0.04034	0.04066	0.04111
Opt Res Capital Stock (Bil 92\$)	0.6201	0.66904	0.70003	0.74	0.7758	0.8116	0.8461	0.881	0.9146	0.9484
Act Res Capital Stock (Bil 92\$)	0.350607	0.38581	0.42089	0.4556	0.48993	0.5237	0.55778	0.59107	0.6235	0.6562
Exog Emp (Thous)	0	-0.1538	-0.0332	-0.0832	-0.0542	-0.0462	-0.0432	-0.0412	-0.0522	-0.0142
Exog Prod (Bil 92\$)	0	-0.02669	-0.02681	-0.03735	-0.03441	-0.03514	-0.0367	-0.03844	-0.0432	-0.0368
Manufacturing	0.287864	0.304461	0.312969	0.32302	0.33311	0.34118	0.35017	0.35804	0.36582	0.37268
Mining	1.24557	0.9768	0.8251	0.7582	0.7616	0.7638	0.7645	0.7671	0.7732	0.7742
Construction	0.8305	0.86247	0.87954	0.8892	0.9161	0.9303	0.9432	0.9576	0.9739	0.9854
Trans./Public Util.	0.370829	0.38847	0.40415	0.4196	0.43655	0.4512	0.46681	0.48229	0.49837	0.50959
Fin/Ins/Real Est	0.47659	0.4943	0.50804	0.52169	0.53395	0.54351	0.55537	0.56645	0.57786	0.58892
Retail Trade	1.66473	1.76161	1.83058	1.8915	1.958	2.0102	2.0598	2.1074	2.1455	2.1797
Wholesale Trade	0.163924	0.170856	0.177012	0.181632	0.188788	0.19383	0.199821	0.20573	0.21052	0.2157
Services	4.64822	4.9608	5.3364	5.5281	5.6961	5.85	6.0064	6.1631	6.3194	6.4889
Agri/For/Fish Serv	0.1032	0.108313	0.112623	0.116627	0.120806	0.124931	0.12903	0.13201	0.136	0.14002
State and Local	1.7015	1.8522	1.9637	2.0645	2.1587	2.2446	2.3271	2.4024	2.4792	2.5532
Federal Civilian	0.194	0.196	0.196	0.196	0.196	0.196	0.196	0.195	0.195	0.197
Federal Military	0.073	0.078	0.081	0.082	0.083	0.084	0.086	0.087	0.088	0.089
Farm	0.263	0.259	0.256	0.253	0.249	0.246	0.242	0.239	0.235	0.233
Hotels	0.419877	0.44023	0.46129	0.48263	0.50307	0.52234	0.5414	0.56023	0.57883	0.59602
Amusem & Recr	0.268748	0.28156	0.294282	0.307827	0.320514	0.33216	0.34384	0.35648	0.36913	0.37868
Eating & Drinking	0.450722	0.47398	0.49756	0.52052	0.54474	0.56685	0.59012	0.61341	0.63457	0.65281
<b>Migrants</b>										
Total Migrants	8.035	2.584	1.7687	1.5923	1.4098	1.2618	1.1303	1.0265	1.0197	1.0446

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Con</b>										
<b>Levels caused by simulation (UNLV updat</b>										
<b>Nye County</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Employment (Thous)	15.658	15.994	16.324	16.601	16.837	17.055	17.255	17.437	17.606	17.77
Population (Thous)	53.895	55.349	56.759	58.095	59.354	60.521	61.616	62.641	63.629	64.587
GRP (Bil 92\$)	0.79937	0.82265	0.84664	0.86341	0.87956	0.89345	0.9072	0.92071	0.93298	0.94622
State & Local Gov Spending (Bil 92\$)	0.14869	0.15393	0.16006	0.16504	0.1698	0.1744	0.17886	0.18222	0.1865	0.1898
Real Disp Pers Inc (Bil 92\$)	0.8349	0.8651	0.8951	0.9245	0.9497	0.9734	0.995	1.016	1.0343	1.0528
Residential Investment (Bil 92\$)	0.04138	0.04065	0.04088	0.04101	0.04085	0.04067	0.04051	0.0393	0.03905	0.03786
Opt Res Capital Stock (Bil 92\$)	0.9801	1.0128	1.0453	1.0771	1.1045	1.1314	1.1561	1.1781	1.1983	1.2187
Act Res Capital Stock (Bil 92\$)	0.688	0.7199	0.7508	0.7826	0.8121	0.8413	0.8701	0.8965	0.9225	0.9472
Exog Emp (Thous)	0.0238	0.0588	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02986	-0.02293	-0.01606	-0.01722	-0.01843	-0.01966	-0.02102	-0.02239	-0.02382	-0.02528
Manufacturing	0.37962	0.38666	0.39373	0.39985	0.40587	0.41083	0.4158	0.4207	0.42452	0.42932
Mining	0.7748	0.7749	0.77452	0.7408	0.70785	0.67678	0.64449	0.61414	0.58468	0.55716
Construction	0.996	1.0083	1.0209	1.0298	1.0348	1.0393	1.0429	1.0448	1.0452	1.0458
Trans./Public Util.	0.51983	0.53022	0.54166	0.55054	0.55888	0.56709	0.57325	0.58022	0.58497	0.59068
Fin/Ins/Real Est	0.60048	0.6136	0.62609	0.6386	0.65073	0.66175	0.67176	0.68163	0.6914	0.70117
Retail Trade	2.2317	2.2834	2.335	2.3848	2.425	2.4613	2.4944	2.5222	2.5457	2.569
Wholesale Trade	0.21991	0.22515	0.23037	0.23437	0.23822	0.24102	0.24479	0.2475	0.24914	0.25175
Services	6.6482	6.8091	6.9701	7.1238	7.2618	7.3926	7.5156	7.6349	7.7482	7.8583
Agri/For/Fish Serv	0.14401	0.14903	0.15303	0.15701	0.16081	0.16358	0.16736	0.17008	0.17373	0.17638
State and Local	2.6247	2.695	2.762	2.8239	2.8773	2.926	2.9703	3.0095	3.0467	3.0811
Federal Civilian	0.198	0.2	0.201	0.202	0.203	0.203	0.204	0.204	0.204	0.204
Federal Military	0.09	0.091	0.091	0.092	0.092	0.093	0.093	0.093	0.094	0.094
Farm	0.231	0.228	0.226	0.224	0.222	0.219	0.217	0.215	0.213	0.211
Hotels	0.61518	0.6341	0.65281	0.67034	0.68766	0.70381	0.71983	0.73569	0.75134	0.7658
Amusem & Recr	0.38605	0.39344	0.40082	0.40918	0.41534	0.42247	0.42863	0.43573	0.44174	0.44774
Eating & Drinking	0.67185	0.69115	0.71155	0.73185	0.74911	0.76627	0.7825	0.7974	0.8121	0.8257
<b>Migrants</b>										
Total Migrants	0.9985	0.9694	0.928	0.8507	0.7604	0.6668	0.5747	0.4971	0.4438	0.3963

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Con</b>										
<b>Levels caused by simulation (UNLV updat</b>										
<b>Nye County</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
Employment (Thous)	17.919	18.069	18.205	18.339	18.48	18.62	18.768	18.917	19.064	19.237
Population (Thous)	65.516	66.439	67.351	68.275	69.201	70.127	71.078	72.047	72.955	73.901
GRP (Bil 92\$)	0.95709	0.96896	0.98055	0.99203	1.00361	1.01596	1.02833	1.04056	1.05335	1.06748
State & Local Gov Spending (Bil 92\$)	0.19402	0.19726	0.20049	0.20374	0.20809	0.21142	0.21485	0.2193	0.22253	0.22695
Real Disp Pers Inc (Bil 92\$)	1.0691	1.0857	1.1007	1.1165	1.1339	1.1507	1.1692	1.1863	1.2037	1.2256
Residential Investment (Bil 92\$)	0.03757	0.03636	0.03612	0.03591	0.03578	0.03561	0.03556	0.03548	0.03532	0.03533
Opt Res Capital Stock (Bil 92\$)	1.2369	1.2553	1.2732	1.2909	1.3098	1.3272	1.3473	1.366	1.3848	1.4057
Act Res Capital Stock (Bil 92\$)	0.9714	0.9943	1.0157	1.0359	1.0567	1.0763	1.0957	1.115	1.1339	1.1527
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.02684	-0.02842	-0.03015	-0.03192	-0.03366	-0.03556	-0.03759	-0.03968	-0.04189	-0.04408
Manufacturing	0.433	0.43664	0.43919	0.44273	0.44518	0.44858	0.45092	0.45424	0.45648	0.4597
Mining	0.53053	0.50588	0.48011	0.45632	0.43559	0.41379	0.39296	0.37415	0.35532	0.33855
Construction	1.0467	1.0469	1.0477	1.0476	1.0497	1.0517	1.0551	1.0594	1.0629	1.0684
Trans./Public Util.	0.5941	0.59847	0.60263	0.60581	0.60982	0.61266	0.61549	0.6192	0.62172	0.62533
Fin/Ins/Real Est	0.70976	0.71938	0.72788	0.73636	0.74585	0.75526	0.76472	0.77512	0.78421	0.79555
Retail Trade	2.5881	2.6062	2.622	2.637	2.6529	2.6678	2.683	2.6984	2.7138	2.7324
Wholesale Trade	0.25326	0.25474	0.25615	0.2575	0.25883	0.2601	0.26135	0.26155	0.26268	0.26384
Services	7.9636	8.068	8.164	8.258	8.353	8.447	8.543	8.639	8.733	8.838
Agri/For/Fish Serv	0.17894	0.18149	0.18499	0.18747	0.18994	0.19236	0.19581	0.19823	0.20058	0.204
State and Local	3.113	3.1452	3.1752	3.2069	3.2391	3.273	3.31	3.346	3.381	3.422
Federal Civilian	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
Federal Military	0.094	0.094	0.095	0.095	0.095	0.095	0.096	0.096	0.096	0.097
Farm	0.209	0.207	0.204	0.202	0.2	0.198	0.196	0.194	0.193	0.191
Hotels	0.781	0.7949	0.8096	0.8231	0.8364	0.8505	0.8645	0.8773	0.8909	0.9044
Amusem & Recr	0.45359	0.45943	0.46518	0.47086	0.47653	0.48213	0.48876	0.49531	0.50077	0.50832
Eating & Drinking	0.8398	0.8528	0.8666	0.8791	0.8928	0.9071	0.9216	0.9359	0.95	0.9665
<b>Migrants</b>										
Total Migrants	0.3551	0.3266	0.3065	0.2957	0.2906	0.288	0.2949	0.3061	0.2335	0.2745



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Con</b>								
<b>Levels caused by simulation (UNLV updat</b>								
<b>Nye County</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	19.412	19.609	19.812	20.028	20.26	20.495	20.733	20.968
Population (Thous)	74.884	75.903	76.952	78.033	79.152	80.208	81.306	82.417
GRP (Bil 92\$)	1.08144	1.09675	1.11297	1.12912	1.14652	1.16545	1.18346	1.20238
State & Local Gov Spending (Bil 92\$)	0.23143	0.23601	0.23961	0.2453	0.25011	0.25567	0.26032	0.26597
Real Disp Pers Inc (Bil 92\$)	1.2473	1.2715	1.2971	1.3252	1.3565	1.3882	1.4208	1.453
Residential Investment (Bil 92\$)	0.03635	0.03658	0.03786	0.03818	0.03956	0.04084	0.0422	0.04251
Opt Res Capital Stock (Bil 92\$)	1.4266	1.451	1.478	1.5055	1.5366	1.5672	1.5976	1.6288
Act Res Capital Stock (Bil 92\$)	1.1715	1.1904	1.2104	1.2317	1.2532	1.2759	1.2988	1.3229
Exog Emp (Thous)	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908	0.0908
Exog Prod (Bil 92\$)	-0.04647	-0.04884	-0.05138	-0.0541	-0.05676	-0.05963	-0.06269	-0.06566
Manufacturing	0.46287	0.46505	0.4682	0.47132	0.47441	0.47847	0.48154	0.4845
Mining	0.32175	0.30704	0.2923	0.27755	0.26488	0.25321	0.24054	0.22995
Construction	1.0747	1.0832	1.0928	1.1035	1.1156	1.1268	1.1384	1.1485
Trans./Public Util.	0.62885	0.63353	0.63716	0.64173	0.6464	0.65095	0.6555	0.66098
Fin/Ins/Real Est	0.80587	0.81841	0.82997	0.84257	0.8563	0.87075	0.8843	0.8989
Retail Trade	2.7524	2.7753	2.8004	2.8276	2.8585	2.89	2.9213	2.9507
Wholesale Trade	0.26495	0.2651	0.26623	0.26734	0.26848	0.26956	0.27065	0.2717
Services	8.94	9.05	9.16	9.276	9.397	9.521	9.647	9.767
Agri/For/Fish Serv	0.2074	0.21089	0.2144	0.21793	0.2215	0.22604	0.22963	0.23318
State and Local	3.465	3.511	3.561	3.613	3.669	3.725	3.781	3.839
Federal Civilian	0.204	0.205	0.205	0.205	0.206	0.206	0.207	0.207
Federal Military	0.097	0.097	0.098	0.098	0.099	0.099	0.1	0.1
Farm	0.189	0.187	0.185	0.183	0.181	0.179	0.178	0.176
Hotels	0.9188	0.933	0.9461	0.9601	0.9751	0.99	1.0048	1.0196
Amusem & Recr	0.51483	0.52247	0.53112	0.53878	0.54751	0.55622	0.566	0.57474
Eating & Drinking	0.984	1.0022	1.0226	1.0432	1.0662	1.0891	1.1135	1.1367
<b>Migrants</b>								
Total Migrants	0.304	0.3342	0.3644	0.3856	0.4107	0.3405	0.3639	0.3673



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands										
BASELINE LEVELS										
Nye County	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Employment (Thous)	12.022900	12.414300	12.883100	13.226200	13.631000	13.981000	14.325000	14.665000	15.000000	15.326000
Population (Thous)	35.507000	38.472000	40.656000	42.688000	44.547000	46.272000	47.882000	49.387000	50.888000	52.410000
GRP (Bil 2000\$)	0.615577	0.626719	0.641325	0.661274	0.684397	0.707613	0.730921	0.754664	0.778148	0.802129
State & Local Gov Spending (Bil 2000\$)	0.087188	0.095819	0.102889	0.110869	0.117701	0.124378	0.129877	0.136255	0.142746	0.148245
Real Disp Pers Inc (Bil 2000\$)	0.522507	0.563068	0.595834	0.629252	0.665088	0.699261	0.734198	0.767585	0.800765	0.832911
Residential Investment (Bil 2000\$)	0.038872	0.040634	0.040640	0.041439	0.041222	0.041832	0.042338	0.041697	0.042028	0.042493
Opt Res Capital Stock (Bil 2000\$)	0.640963	0.691550	0.723582	0.764897	0.801902	0.838906	0.874567	0.910641	0.945371	0.980309
Act Res Capital Stock (Bil 2000\$)	0.362403	0.398790	0.435051	0.470929	0.506414	0.541320	0.576546	0.610956	0.644477	0.678278
Exog Emp (Thous)	0.000000	-0.153800	-0.033200	-0.083200	-0.054200	-0.046200	-0.043200	-0.041200	-0.052200	-0.014200
Exog Prod (Bil 2000\$)	0.000000	-0.027588	-0.027712	-0.038607	-0.035568	-0.036322	-0.037935	-0.039733	-0.044653	-0.038038
Manufacturing	0.287864	0.304461	0.312969	0.323020	0.333110	0.341180	0.350170	0.358040	0.365820	0.372680
Mining	1.245570	0.976800	0.825100	0.758200	0.761600	0.763800	0.764500	0.767100	0.773200	0.774200
Construction	0.830500	0.862470	0.879540	0.889200	0.916100	0.930300	0.943200	0.957600	0.973900	0.985400
Trans./Public Util.	0.370829	0.388470	0.404150	0.419600	0.436550	0.451200	0.466810	0.482290	0.498370	0.509590
Fin/Ins/Real Est	0.476590	0.494300	0.508040	0.521690	0.533950	0.543510	0.555370	0.566450	0.577860	0.588920
Retail Trade	1.664730	1.761610	1.830580	1.891500	1.958000	2.010200	2.059800	2.107400	2.145500	2.179700
Wholesale Trade	0.163924	0.170856	0.177012	0.181632	0.188788	0.193830	0.199821	0.205730	0.210520	0.215700
Services	4.648220	4.960800	5.336400	5.528100	5.696100	5.850000	6.006400	6.163100	6.319400	6.488900
Agri/For/Fish Serv	0.103200	0.108313	0.112623	0.116627	0.120806	0.124931	0.129030	0.132010	0.136000	0.140020
State and Local	1.701500	1.852200	1.963700	2.064500	2.158700	2.244600	2.327100	2.402400	2.479200	2.553200
Federal Civilian	0.194000	0.196000	0.196000	0.196000	0.196000	0.196000	0.196000	0.195000	0.195000	0.197000
Federal Military	0.073000	0.078000	0.081000	0.082000	0.083000	0.084000	0.086000	0.087000	0.088000	0.089000
Farm	0.263000	0.259000	0.256000	0.253000	0.249000	0.246000	0.242000	0.239000	0.235000	0.233000
Hotels	0.419877	0.440230	0.461290	0.482630	0.503070	0.522340	0.541400	0.560230	0.578830	0.596020
Amusem & Recr	0.268748	0.281560	0.294282	0.307827	0.320514	0.332160	0.343840	0.356480	0.369130	0.378680
Eating & Drinking	0.450722	0.473980	0.497560	0.520520	0.544740	0.566850	0.590120	0.613410	0.634570	0.652810
<b>Migrants</b>										
Total Migrants	8.035000	2.584000	1.768700	1.592300	1.409800	1.261800	1.130300	1.026500	1.019700	1.044600

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

LEVELS: Dollar amounts are in 2000 Con										
BASELINE LEVELS										
Nye County	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Employment (Thous)	15.658000	15.994000	16.324000	16.601000	16.837000	17.055000	17.255000	17.437000	17.606000	17.770000
Population (Thous)	53.895000	55.349000	56.759000	58.095000	59.354000	60.521000	61.616000	62.641000	63.629000	64.587000
GRP (Bil 2000\$)	0.826265	0.850328	0.875125	0.892459	0.909153	0.923510	0.937723	0.951687	0.964370	0.978055
State & Local Gov Spending (Bil 2000\$)	0.153693	0.159109	0.165445	0.170593	0.175513	0.180268	0.184878	0.188351	0.192775	0.196186
Real Disp Pers Inc (Bil 2000\$)	0.862990	0.894206	0.925215	0.955605	0.981652	1.006150	1.028477	1.050183	1.069099	1.088221
Residential Investment (Bil 2000\$)	0.042772	0.042018	0.042255	0.042390	0.042224	0.042038	0.041873	0.040622	0.040364	0.039134
Opt Res Capital Stock (Bil 2000\$)	1.013075	1.046875	1.080469	1.113339	1.141661	1.169466	1.194997	1.217737	1.238616	1.259703
Act Res Capital Stock (Bil 2000\$)	0.711148	0.744121	0.776060	0.808930	0.839423	0.869605	0.899374	0.926663	0.953537	0.979068
Exog Emp (Thous)	0.023800	0.058800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800
Exog Prod (Bil 2000\$)	-0.030865	-0.023701	-0.016600	-0.017799	-0.019050	-0.020321	-0.021727	-0.023143	-0.024621	-0.026131
Manufacturing	0.379620	0.386660	0.393730	0.399850	0.405870	0.410830	0.415800	0.420700	0.424520	0.429320
Mining	0.774800	0.774900	0.774520	0.740800	0.707850	0.676780	0.644490	0.614140	0.584680	0.557160
Construction	0.996000	1.008300	1.020900	1.029800	1.034800	1.039300	1.042900	1.044800	1.045200	1.045800
Trans./Public Util.	0.519830	0.530220	0.541660	0.550540	0.558880	0.567090	0.573250	0.580220	0.584970	0.590680
Fin/Ins/Real Est	0.600480	0.613600	0.626090	0.638600	0.650730	0.661750	0.671760	0.681630	0.691400	0.701170
Retail Trade	2.231700	2.283400	2.335000	2.384800	2.425000	2.461300	2.494400	2.522200	2.545700	2.569000
Wholesale Trade	0.219910	0.225150	0.230370	0.234370	0.238220	0.241020	0.244790	0.247500	0.249140	0.251750
Services	6.648200	6.809100	6.970100	7.123800	7.261800	7.392600	7.515600	7.634900	7.748200	7.858300
Agri/For/Fish Serv	0.144010	0.149030	0.153030	0.157010	0.160810	0.163580	0.167360	0.170080	0.173730	0.176380
State and Local	2.624700	2.695000	2.762000	2.823900	2.877300	2.926000	2.970300	3.009500	3.046700	3.081100
Federal Civilian	0.198000	0.200000	0.201000	0.202000	0.203000	0.203000	0.204000	0.204000	0.204000	0.204000
Federal Military	0.090000	0.091000	0.091000	0.092000	0.092000	0.093000	0.093000	0.093000	0.094000	0.094000
Farm	0.231000	0.228000	0.226000	0.224000	0.222000	0.219000	0.217000	0.215000	0.213000	0.211000
Hotels	0.615180	0.634100	0.652810	0.670340	0.687660	0.703810	0.719830	0.735690	0.751340	0.765800
Amusem & Recr	0.386050	0.393440	0.400820	0.409180	0.415340	0.422470	0.428630	0.435730	0.441740	0.447740
Eating & Drinking	0.671850	0.691150	0.711550	0.731850	0.749110	0.766270	0.782500	0.797400	0.812100	0.825700
<b>Migrants</b>										
Total Migrants	0.998500	0.969400	0.928000	0.850700	0.760400	0.666800	0.574700	0.497100	0.443800	0.396300

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

LEVELS: Dollar amounts are in 2000 Con										
BASELINE LEVELS										
Nye County	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Employment (Thous)	17.919000	18.069000	18.205000	18.339000	18.480000	18.620000	18.768000	18.917000	19.064000	19.237000
Population (Thous)	65.516000	66.439000	67.351000	68.275000	69.201000	70.127000	71.078000	72.047000	72.955000	73.901000
GRP (Bil 2000\$)	0.989291	1.001560	1.013540	1.025407	1.037376	1.050142	1.062928	1.075569	1.088790	1.103395
State & Local Gov Spending (Bil 2000\$)	0.200548	0.203897	0.207235	0.210595	0.215091	0.218533	0.222079	0.226678	0.230017	0.234586
Real Disp Pers Inc (Bil 2000\$)	1.105070	1.122228	1.137733	1.154064	1.172050	1.189415	1.208537	1.226213	1.244198	1.266835
Residential Investment (Bil 2000\$)	0.038834	0.037583	0.037335	0.037118	0.036984	0.036808	0.036756	0.036674	0.036508	0.036519
Opt Res Capital Stock (Bil 2000\$)	1.278515	1.297534	1.316036	1.334332	1.353868	1.371853	1.392630	1.411959	1.431391	1.452994
Act Res Capital Stock (Bil 2000\$)	1.004082	1.027753	1.049873	1.070753	1.092252	1.112512	1.132565	1.152514	1.172050	1.191482
Exog Emp (Thous)	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800
Exog Prod (Bil 2000\$)	-0.027743	-0.029376	-0.031164	-0.032994	-0.034792	-0.036756	-0.038855	-0.041015	-0.043299	-0.045563
Manufacturing	0.433000	0.436640	0.439190	0.442730	0.445180	0.448580	0.450920	0.454240	0.456480	0.459700
Mining	0.530530	0.505880	0.480110	0.456320	0.435590	0.413790	0.392960	0.374150	0.355320	0.338550
Construction	1.046700	1.046900	1.047700	1.047600	1.049700	1.051700	1.055100	1.059400	1.062900	1.068400
Trans./Public Util.	0.594100	0.598470	0.602630	0.605810	0.609820	0.612660	0.615490	0.619200	0.621720	0.625330
Fin/Ins/Real Est	0.709760	0.719380	0.727880	0.736360	0.745850	0.755260	0.764720	0.775120	0.784210	0.795550
Retail Trade	2.588100	2.606200	2.622000	2.637000	2.652900	2.667800	2.683000	2.698400	2.713800	2.732400
Wholesale Trade	0.253260	0.254740	0.256150	0.257500	0.258830	0.260100	0.261350	0.261550	0.262680	0.263840
Services	7.963600	8.068000	8.164000	8.258000	8.353000	8.447000	8.543000	8.639000	8.733000	8.838000
Agri/For/Fish Serv	0.178940	0.181490	0.184990	0.187470	0.189940	0.192360	0.195810	0.198230	0.200580	0.204000
State and Local	3.113000	3.145200	3.175200	3.206900	3.239100	3.273000	3.310000	3.346000	3.381000	3.422000
Federal Civilian	0.204000	0.204000	0.204000	0.204000	0.204000	0.204000	0.204000	0.204000	0.204000	0.204000
Federal Military	0.094000	0.094000	0.095000	0.095000	0.095000	0.095000	0.096000	0.096000	0.096000	0.097000
Farm	0.209000	0.207000	0.204000	0.202000	0.200000	0.198000	0.196000	0.194000	0.193000	0.191000
Hotels	0.781000	0.794900	0.809600	0.823100	0.836400	0.850500	0.864500	0.877300	0.890900	0.904400
Amusem & Recr	0.453590	0.459430	0.465180	0.470860	0.476530	0.482130	0.488760	0.495310	0.500770	0.508320
Eating & Drinking	0.839800	0.852800	0.866600	0.879100	0.892800	0.907100	0.921600	0.935900	0.950000	0.966500
<b>Migrants</b>										
Total Migrants	0.355100	0.326600	0.306500	0.295700	0.290600	0.288000	0.294900	0.306100	0.233500	0.274500

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

LEVELS: Dollar amounts are in 2000 Con								
BASELINE LEVELS								
Nye County	2028	2029	2030	2031	2032	2033	2034	2035
Employment (Thous)	19.412000	19.609000	19.812000	20.028000	20.260000	20.495000	20.733000	20.968000
Population (Thous)	74.884000	75.903000	76.952000	78.033000	79.152000	80.208000	81.306000	82.417000
GRP (Bil 2000\$)	1.117825	1.133650	1.150416	1.167109	1.185094	1.204661	1.223277	1.242834
State & Local Gov Spending (Bil 2000\$)	0.239216	0.243950	0.247672	0.253553	0.258525	0.264272	0.269078	0.274918
Real Disp Pers Inc (Bil 2000\$)	1.289265	1.314279	1.340741	1.369786	1.402139	1.434906	1.468602	1.501886
Residential Investment (Bil 2000\$)	0.037573	0.037811	0.039134	0.039465	0.040891	0.042214	0.043620	0.043940
Opt Res Capital Stock (Bil 2000\$)	1.474598	1.499819	1.527727	1.556152	1.588299	1.619928	1.651351	1.683601
Act Res Capital Stock (Bil 2000\$)	1.210915	1.230451	1.251124	1.273140	1.295364	1.318827	1.342498	1.367409
Exog Emp (Thous)	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800	0.090800
Exog Prod (Bil 2000\$)	-0.048033	-0.050483	-0.053109	-0.055920	-0.058670	-0.061636	-0.064799	-0.067869
Manufacturing	0.462870	0.465050	0.468200	0.471320	0.474410	0.478470	0.481540	0.484500
Mining	0.321750	0.307040	0.292300	0.277550	0.264880	0.253210	0.240540	0.229950
Construction	1.074700	1.083200	1.092800	1.103500	1.115600	1.126800	1.138400	1.148500
Trans./Public Util.	0.628850	0.633530	0.637160	0.641730	0.646400	0.650950	0.655500	0.660980
Fin/Ins/Real Est	0.805870	0.818410	0.829970	0.842570	0.856300	0.870750	0.884300	0.898900
Retail Trade	2.752400	2.775300	2.800400	2.827600	2.858500	2.890000	2.921300	2.950700
Wholesale Trade	0.264950	0.265100	0.266230	0.267340	0.268480	0.269560	0.270650	0.271700
Services	8.940000	9.050000	9.160000	9.276000	9.397000	9.521000	9.647000	9.767000
Agri/For/Fish Serv	0.207400	0.210890	0.214400	0.217930	0.221500	0.226040	0.229630	0.233180
State and Local	3.465000	3.511000	3.561000	3.613000	3.669000	3.725000	3.781000	3.839000
Federal Civilian	0.204000	0.205000	0.205000	0.205000	0.206000	0.206000	0.207000	0.207000
Federal Military	0.097000	0.097000	0.098000	0.098000	0.099000	0.099000	0.100000	0.100000
Farm	0.189000	0.187000	0.185000	0.183000	0.181000	0.179000	0.178000	0.176000
Hotels	0.918800	0.933000	0.946100	0.960100	0.975100	0.990000	1.004800	1.019600
Amusem & Recr	0.514830	0.522470	0.531120	0.538780	0.547510	0.556220	0.566000	0.574740
Eating & Drinking	0.984000	1.002200	1.022600	1.043200	1.066200	1.089100	1.113500	1.136700
<b>Migrants</b>								
Total Migrants	0.304000	0.334200	0.364400	0.385600	0.410700	0.340500	0.363900	0.367300

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Total Emp (Thous)	2.104	2.146	2.176	2.21	2.241	2.267	2.295	2.327
Population (Thous)	4.168	4.165	4.161	4.154	4.145	4.142	4.145	4.154
GRP (Bil 92\$)	0.084	0.087	0.088	0.09	0.091	0.093	0.095	0.096
State & Local Gov Spending (Bil 92\$)	0.024	0.024	0.024	0.025	0.025	0.026	0.026	0.027
Real Disp Pers Inc (Bil 92\$)	0.071	0.073	0.075	0.077	0.078	0.08	0.082	0.084
Residential Investment (Bil 92\$)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Opt Res Capital Stock (Bil 92\$)	0.05	0.052	0.053	0.054	0.055	0.056	0.057	0.058
Act Res Capital Stock (Bil 92\$)	0.04	0.041	0.042	0.043	0.044	0.045	0.046	0.047
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.018	0.019	0.019	0.019	0.019	0.02	0.02	0.02
Mining	0.055	0.054	0.051	0.053	0.053	0.055	0.056	0.058
Construction	0.029	0.029	0.03	0.03	0.031	0.031	0.031	0.031
Trans./Public Util.	0.123	0.122	0.121	0.12	0.119	0.118	0.116	0.115
Fin/Ins/Real Est	0.074	0.075	0.076	0.077	0.077	0.077	0.077	0.078
Retail Trade	0.355	0.368	0.376	0.384	0.393	0.398	0.404	0.409
Wholesale Trade	0.04	0.041	0.042	0.043	0.044	0.045	0.045	0.046
Services	0.598	0.626	0.649	0.674	0.697	0.718	0.741	0.765
Agri/For/Fish Serv	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
State and Local	0.581	0.583	0.584	0.584	0.584	0.584	0.585	0.587
Federal Civilian	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Federal Military	0.01	0.011	0.011	0.012	0.012	0.012	0.012	0.012
Farm	0.161	0.159	0.157	0.155	0.153	0.15	0.148	0.146
Hotels	0.008	0.009	0.009	0.009	0.009	0.01	0.01	0.01
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.131	0.136	0.14	0.144	0.149	0.153	0.157	0.162
<b>Migrants</b>								
Total Migrants	-0.005	-0.027	-0.031	-0.037	-0.039	-0.035	-0.031	-0.029

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Emp (Thous)	2.357	2.373	2.398	2.424	2.45	2.475	2.498	2.519
Population (Thous)	4.166	4.179	4.198	4.225	4.258	4.3	4.35	4.407
GRP (Bil 92\$)	0.098	0.1	0.102	0.104	0.106	0.108	0.11	0.112
State & Local Gov Spending (Bil 92\$)	0.027	0.028	0.028	0.028	0.029	0.029	0.03	0.031
Real Disp Pers Inc (Bil 92\$)	0.086	0.088	0.09	0.092	0.094	0.096	0.097	0.098
Residential Investment (Bil 92\$)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Opt Res Capital Stock (Bil 92\$)	0.059	0.06	0.062	0.063	0.064	0.065	0.066	0.067
Act Res Capital Stock (Bil 92\$)	0.048	0.049	0.05	0.051	0.052	0.053	0.054	0.054
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.021
Mining	0.06	0.059	0.059	0.058	0.057	0.056	0.055	0.054
Construction	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.032
Trans./Public Util.	0.114	0.113	0.112	0.11	0.109	0.107	0.105	0.104
Fin/Ins/Real Est	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
Retail Trade	0.412	0.414	0.421	0.426	0.432	0.436	0.44	0.442
Wholesale Trade	0.047	0.048	0.048	0.049	0.049	0.05	0.05	0.051
Services	0.789	0.802	0.821	0.839	0.857	0.875	0.892	0.908
Agri/For/Fish Serv	0.023	0.024	0.024	0.024	0.025	0.025	0.025	0.026
State and Local	0.59	0.592	0.594	0.598	0.602	0.607	0.613	0.619
Federal Civilian	0.036	0.037	0.037	0.037	0.037	0.037	0.038	0.038
Federal Military	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.144	0.143	0.141	0.14	0.138	0.137	0.136	0.134
Hotels	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.165	0.168	0.171	0.175	0.178	0.181	0.183	0.186
<b>Migrants</b>								
Total Migrants	-0.028	-0.025	-0.019	-0.013	-0.008	-0.003	0.003	0.01

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Emp (Thous)	2.54	2.56	2.579	2.598	2.617	2.635	2.653	2.672
Population (Thous)	4.473	4.543	4.616	4.69	4.765	4.842	4.918	4.993
GRP (Bil 92\$)	0.114	0.116	0.117	0.119	0.121	0.123	0.124	0.126
State & Local Gov Spending (Bil 92\$)	0.031	0.032	0.033	0.033	0.034	0.035	0.035	0.036
Real Disp Pers Inc (Bil 92\$)	0.1	0.101	0.102	0.104	0.105	0.106	0.107	0.109
Residential Investment (Bil 92\$)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Opt Res Capital Stock (Bil 92\$)	0.068	0.068	0.069	0.07	0.071	0.071	0.072	0.073
Act Res Capital Stock (Bil 92\$)	0.055	0.056	0.057	0.058	0.059	0.06	0.06	0.061
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.021	0.021	0.021	0.021	0.02	0.02	0.02	0.02
Mining	0.053	0.052	0.051	0.05	0.049	0.048	0.047	0.046
Construction	0.032	0.033	0.033	0.033	0.033	0.033	0.033	0.033
Trans./Public Util.	0.102	0.1	0.098	0.096	0.094	0.093	0.091	0.089
Fin/Ins/Real Est	0.078	0.078	0.078	0.078	0.077	0.077	0.077	0.077
Retail Trade	0.445	0.446	0.447	0.448	0.449	0.45	0.451	0.452
Wholesale Trade	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
Services	0.922	0.937	0.951	0.965	0.978	0.992	1.006	1.02
Agri/For/Fish Serv	0.026	0.026	0.027	0.027	0.027	0.027	0.028	0.028
State and Local	0.626	0.634	0.642	0.65	0.658	0.666	0.674	0.681
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.133	0.132	0.13	0.129	0.128	0.126	0.125	0.124
Hotels	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.188	0.19	0.192	0.194	0.195	0.197	0.199	0.201
<b>Migrants</b>								
Total Migrants	0.017	0.023	0.027	0.029	0.031	0.031	0.029	0.027



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Total Emp (Thous)	2.691	2.712	2.734	2.756	2.778	2.804	2.83	2.859
Population (Thous)	5.066	5.137	5.208	5.277	5.345	5.41	5.474	5.538
GRP (Bil 92\$)	0.128	0.13	0.132	0.134	0.136	0.138	0.14	0.143
State & Local Gov Spending (Bil 92\$)	0.037	0.037	0.038	0.039	0.039	0.04	0.041	0.041
Real Disp Pers Inc (Bil 92\$)	0.11	0.112	0.114	0.116	0.118	0.119	0.121	0.123
Residential Investment (Bil 92\$)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Opt Res Capital Stock (Bil 92\$)	0.074	0.075	0.077	0.078	0.079	0.08	0.081	0.082
Act Res Capital Stock (Bil 92\$)	0.062	0.063	0.064	0.065	0.066	0.066	0.067	0.068
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Mining	0.045	0.044	0.043	0.042	0.041	0.041	0.04	0.039
Construction	0.033	0.033	0.033	0.033	0.033	0.034	0.034	0.034
Trans./Public Util.	0.087	0.086	0.084	0.083	0.081	0.08	0.079	0.078
Fin/Ins/Real Est	0.076	0.076	0.076	0.076	0.076	0.076	0.075	0.076
Retail Trade	0.453	0.454	0.456	0.458	0.46	0.462	0.464	0.467
Wholesale Trade	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
Services	1.035	1.049	1.065	1.08	1.097	1.115	1.133	1.153
Agri/For/Fish Serv	0.028	0.029	0.029	0.029	0.03	0.03	0.031	0.031
State and Local	0.689	0.697	0.704	0.712	0.72	0.728	0.736	0.744
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014
Farm	0.123	0.121	0.12	0.119	0.118	0.117	0.116	0.114
Hotels	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.014
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.203	0.206	0.209	0.211	0.214	0.217	0.22	0.223
<b>Migrants</b>								
Total Migrants	0.025	0.023	0.021	0.018	0.014	0.01	0.007	0.003



# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control</b>						
<b>Levels (after DETR update)</b>						
<b>Lincoln County</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	2.889	2.921	2.955	2.992	3.029	3.065
Population (Thous)	5.601	5.663	5.726	5.792	5.861	5.931
GRP (Bil 92\$)	0.145	0.148	0.15	0.153	0.156	0.159
State & Local Gov Spending (Bil 92\$)	0.042	0.043	0.044	0.044	0.045	0.046
Real Disp Pers Inc (Bil 92\$)	0.125	0.127	0.13	0.133	0.136	0.138
Residential Investment (Bil 92\$)	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 92\$)	0.083	0.084	0.086	0.088	0.089	0.09
Act Res Capital Stock (Bil 92\$)	0.069	0.07	0.071	0.072	0.073	0.075
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	0.02	0.02	0.021	0.021	0.021	0.021
Mining	0.038	0.038	0.037	0.037	0.036	0.036
Construction	0.034	0.035	0.035	0.035	0.035	0.036
Trans./Public Util.	0.076	0.075	0.074	0.074	0.073	0.072
Fin/Ins/Real Est	0.076	0.076	0.076	0.076	0.076	0.076
Retail Trade	0.47	0.474	0.479	0.484	0.489	0.492
Wholesale Trade	0.051	0.051	0.051	0.052	0.052	0.052
Services	1.173	1.194	1.215	1.238	1.26	1.283
Agri/For/Fish Serv	0.032	0.032	0.033	0.033	0.034	0.035
State and Local	0.753	0.762	0.771	0.781	0.792	0.802
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.014	0.014	0.014	0.014	0.014	0.014
Farm	0.113	0.112	0.111	0.11	0.109	0.108
Hotels	0.014	0.014	0.014	0.014	0.015	0.015
Amusem & Recr	0	0	0	0	0	0
Eating & Drinking	0.226	0.23	0.235	0.239	0.244	0.248
<b>Migrants</b>						
Total Migrants	-0.002	-0.006	-0.007	-0.007	-0.008	-0.01

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	1998	1999	2000	2001	2002	2003	2004	2005
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment</b>								
Total Emp (Thous)	-0.003323	0.01844	0.01911	0.015	0.01229	0.01007	0.007329	0.004268
Population (Thous)	-0.01616	-0.02431	-0.02972	-0.03844	-0.04811	-0.05803	-0.06781	-0.07766
GRP (Bil 92\$)	-0.000123	0.0005562	0.000566	0.0004175	0.0003123	0.0002237	0.0001178	1.33E-06
State & Local Gov Spending (Bil 92\$)	-0.00011	-0.000169	-0.000211	-0.000278	-0.000354	-0.000433	-0.000514	-0.000597
Real Disp Pers Inc (Bil 92\$)	-0.000481	-0.000314	-0.000623	-0.001129	-0.001573	-0.002008	-0.002457	-0.002902
Residential Investment (Bil 92\$)	-4.36E-05	-2.30E-05	-4.77E-05	-8.73E-05	-0.000116	-0.000139	-0.000161	-0.00018
Opt Res Capital Stock (Bil 92\$)	-0.000344	-0.000224	-0.000441	-0.000799	-0.001106	-0.001402	-0.001705	-0.002005
Act Res Capital Stock (Bil 92\$)	-4.36E-05	-6.59E-05	-0.000113	-0.000198	-0.00031	-0.000445	-0.000598	-0.000768
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	-1.14E-06	0.0001868	0.000194	0.0001684	0.0001559	0.0001479	0.000137	0.0001248
Mining	-1.90E-07	4.20E-05	3.97E-05	3.12E-05	2.47E-05	1.86E-05	1.13E-05	3.52E-06
Construction	-6.86E-05	0.0006573	0.0006919	0.0006558	0.0005902	0.0005327	0.0004564	0.0003718
Trans./Public Util.	-7.69E-05	0.001073	0.001045	0.0007571	0.0006104	0.0004975	0.0003718	0.000246
Fin/Ins/Real Est	-6.22E-05	0.0003106	0.0002828	0.0001608	8.98E-05	3.34E-05	-2.59E-05	-8.35E-05
Retail Trade	-0.000701	0.002927	0.002725	0.001548	0.0007458	4.10E-05	-0.00075	-0.00156
Wholesale Trade	-2.90E-06	0.0004794	0.0005331	0.0004775	0.0004669	0.0004624	0.0004436	0.0004155
Services	-0.000205	0.01566	0.01722	0.01607	0.01582	0.01593	0.01564	0.01509
Agri/For/Fish Serv	-1.98E-06	0.0004229	0.0004565	0.0004177	0.0004119	0.0004137	0.0004078	0.0003952
State and Local	-0.002203	-0.003328	-0.004081	-0.005285	-0.006625	-0.008002	-0.009364	-0.01074
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-3.49E-07	-6.06E-06	-1.57E-05	-2.44E-05	-3.17E-05	-3.79E-05	-4.30E-05	-4.70E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.000318	0.0006502	0.0004669	-2.78E-05	-0.000408	-0.000761	-0.001147	-0.001542

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2006	2007	2008	2009	2010	2011	2012	2013
Changes caused by simulation (UNLV update)								
Total Emp (Thous)	0.001043	-0.001153	-0.002814	-0.004089	-0.005106	-0.00596	-0.006772	-0.007625
Population (Thous)	-0.0876	-0.09654	-0.1045	-0.1116	-0.1182	-0.1242	-0.1307	-0.1376
GRP (Bil 92\$)	-0.000125	-0.000206	-0.00027	-0.000321	-0.000364	-0.000397	-0.000434	-0.000473
State & Local Gov Spending (Bil 92\$)	-0.000683	-0.00076	-0.000831	-0.000896	-0.000957	-0.001015	-0.001075	-0.001139
Real Disp Pers Inc (Bil 92\$)	-0.003348	-0.003716	-0.004008	-0.00428	-0.004531	-0.004768	-0.004964	-0.005164
Residential Investment (Bil 92\$)	-0.000196	-0.000204	-0.000205	-0.000204	-0.000202	-0.0002	-0.000194	-0.000191
Opt Res Capital Stock (Bil 92\$)	-0.002303	-0.002547	-0.00274	-0.002917	-0.003081	-0.003235	-0.003364	-0.003497
Act Res Capital Stock (Bil 92\$)	-0.000952	-0.001141	-0.001328	-0.001511	-0.00169	-0.001862	-0.002027	-0.002185
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0001126	0.0001096	0.0001088	0.0001095	0.000111	0.0001136	0.0001149	0.0001163
Mining	-5.24E-06	-9.00E-06	-1.19E-05	-1.40E-05	-1.56E-05	-1.77E-05	-1.93E-05	-2.07E-05
Construction	0.0003614	0.0003124	0.0002808	0.0002596	0.0002453	0.0001494	0.0001379	0.0001252
Trans./Public Util.	9.14E-05	3.91E-05	8.00E-06	-9.66E-06	-1.88E-05	1.08E-05	9.37E-06	8.52E-06
Fin/Ins/Real Est	-0.000148	-0.000178	-0.000195	-0.000206	-0.000213	-0.000207	-0.000209	-0.000212
Retail Trade	-0.0024	-0.002905	-0.003256	-0.003528	-0.003742	-0.003891	-0.003999	-0.0041
Wholesale Trade	0.0003778	0.0003641	0.0003568	0.0003547	0.0003558	0.0003563	0.0003547	0.0003537
Services	0.01441	0.0141	0.01398	0.014	0.01411	0.01427	0.01441	0.01457
Agri/For/Fish Serv	0.0003753	0.0003774	0.0003817	0.0003888	0.0003976	0.000413	0.0004212	0.0004295
State and Local	-0.01213	-0.01336	-0.01446	-0.01544	-0.01633	-0.01716	-0.01799	-0.01889
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-4.98E-05	-5.14E-05	-5.28E-05	-5.40E-05	-5.51E-05	-5.63E-05	-5.74E-05	-5.84E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.001947	-0.002209	-0.002403	-0.002566	-0.002705	-0.002822	-0.002906	-0.002987

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2014	2015	2016	2017	2018	2019	2020	2021
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	-0.008512	-0.009363	-0.01022	-0.01116	-0.01221	-0.01331	-0.01444	-0.01561
Population (Thous)	-0.1448	-0.1522	-0.1598	-0.1677	-0.1761	-0.1849	-0.1938	-0.2026
GRP (Bil 92\$)	-0.000515	-0.000555	-0.000597	-0.000643	-0.000693	-0.000746	-0.000801	-0.000851
State & Local Gov Spending (Bil 92\$)	-0.001206	-0.001275	-0.001346	-0.00142	-0.001498	-0.001579	-0.001661	-0.001742
Real Disp Pers Inc (Bil 92\$)	-0.005373	-0.005569	-0.005758	-0.005968	-0.006162	-0.006363	-0.006549	-0.006725
Residential Investment (Bil 92\$)	-0.000188	-0.000186	-0.000183	-0.000182	-0.000181	-0.000181	-0.00018	-0.000178
Opt Res Capital Stock (Bil 92\$)	-0.003634	-0.003763	-0.003887	-0.004025	-0.004154	-0.004287	-0.004412	-0.00453
Act Res Capital Stock (Bil 92\$)	-0.002339	-0.002487	-0.00263	-0.002771	-0.002908	-0.003042	-0.003174	-0.003302
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0001176	0.0001188	0.00012	0.0001211	0.0001211	0.0001191	0.0001166	0.0001156
Mining	-2.18E-05	-2.27E-05	-2.34E-05	-2.39E-05	-2.42E-05	-2.44E-05	-2.46E-05	-2.48E-05
Construction	0.0001112	9.75E-05	8.35E-05	6.59E-05	4.62E-05	2.49E-05	3.61E-06	-9.58E-05
Trans./Public Util.	7.70E-06	8.64E-06	1.03E-05	9.43E-06	7.88E-06	5.07E-06	2.59E-06	2.35E-05
Fin/Ins/Real Est	-0.000215	-0.000217	-0.000218	-0.000221	-0.000224	-0.000228	-0.000232	-0.000228
Retail Trade	-0.004197	-0.004266	-0.004314	-0.004392	-0.004458	-0.004531	-0.004586	-0.004614
Wholesale Trade	0.0003529	0.0003523	0.0003516	0.0003507	0.0003486	0.0003462	0.0003434	0.0003417
Services	0.01473	0.01489	0.01505	0.01519	0.01528	0.01536	0.01542	0.01542
Agri/For/Fish Serv	0.0004377	0.0004456	0.0004533	0.0004603	0.0004658	0.0004707	0.0004749	0.0004835
State and Local	-0.01983	-0.02077	-0.02174	-0.02273	-0.02377	-0.02486	-0.02596	-0.02704
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-5.94E-05	-6.02E-05	-6.09E-05	-6.14E-05	-6.17E-05	-6.18E-05	-6.19E-05	-6.19E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.003066	-0.00313	-0.003183	-0.00325	-0.003307	-0.003366	-0.003415	-0.003456

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2022	2023	2024	2025	2026	2027	2028	2029
<b>Changes caused by simulation (UNLV upda</b>								
Total Emp (Thous)	-0.01686	-0.01811	-0.01944	-0.02089	-0.02251	-0.02415	-0.02589	-0.02768
Population (Thous)	-0.2116	-0.2203	-0.229	-0.2382	-0.2482	-0.2579	-0.2679	-0.2778
GRP (Bil 92\$)	-0.000912	-0.000972	-0.001036	-0.001106	-0.001183	-0.001264	-0.001348	-0.001435
State & Local Gov Spending (Bil 92\$)	-0.001828	-0.00191	-0.001994	-0.002082	-0.002179	-0.002276	-0.002377	-0.00248
Real Disp Pers Inc (Bil 92\$)	-0.006937	-0.007131	-0.007341	-0.007557	-0.007794	-0.008066	-0.008337	-0.008625
Residential Investment (Bil 92\$)	-0.00018	-0.00018	-0.000181	-0.000184	-0.000187	-0.000193	-0.000198	-0.000204
Opt Res Capital Stock (Bil 92\$)	-0.004666	-0.004793	-0.004927	-0.005068	-0.005221	-0.005389	-0.005558	-0.005736
Act Res Capital Stock (Bil 92\$)	-0.003429	-0.003555	-0.00368	-0.003805	-0.003932	-0.004062	-0.004196	-0.004333
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0001132	0.0001105	0.0001076	0.0001045	0.0001014	9.84E-05	9.53E-05	9.20E-05
Mining	-2.48E-05	-2.49E-05	-2.51E-05	-2.51E-05	-2.53E-05	-2.53E-05	-2.54E-05	-2.55E-05
Construction	-0.000119	-0.000142	-0.000167	-0.000195	-0.000225	-0.000255	-0.000286	-0.000317
Trans./Public Util.	1.62E-05	8.23E-06	-1.78E-06	-1.34E-05	-2.66E-05	-4.08E-05	-5.55E-05	-7.11E-05
Fin/Ins/Real Est	-0.000236	-0.000243	-0.000252	-0.000262	-0.000274	-0.000287	-0.000301	-0.000316
Retail Trade	-0.004712	-0.004807	-0.004928	-0.005066	-0.005223	-0.005412	-0.005608	-0.005827
Wholesale Trade	0.0003382	0.0003334	0.0003277	0.0003212	0.000314	0.0003071	0.0002994	0.0002913
Services	0.01542	0.01537	0.01529	0.01518	0.01504	0.01489	0.01471	0.01451
Agri/For/Fish Serv	0.0004864	0.000488	0.0004888	0.0004886	0.0004877	0.000487	0.0004856	0.0004836
State and Local	-0.02814	-0.02921	-0.03028	-0.03142	-0.03268	-0.03391	-0.0352	-0.0365
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-6.20E-05	-6.22E-05	-6.23E-05	-6.24E-05	-6.24E-05	-6.24E-05	-6.23E-05	-6.22E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.003528	-0.003596	-0.003679	-0.003769	-0.003869	-0.003991	-0.004116	-0.004257

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2030	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV update)</b>						
Total Emp (Thous)	-0.0295	-0.03131	-0.03313	-0.03491	-0.03661	-0.03818
Population (Thous)	-0.2876	-0.2968	-0.3055	-0.3135	-0.321	-0.3278
GRP (Bil 92\$)	-0.001523	-0.001611	-0.001702	-0.00179	-0.001876	-0.001955
State & Local Gov Spending (Bil 92\$)	-0.00258	-0.002678	-0.002776	-0.002869	-0.002958	-0.003041
Real Disp Pers Inc (Bil 92\$)	-0.008921	-0.009229	-0.009567	-0.009893	-0.01021	-0.01049
Residential Investment (Bil 92\$)	-0.00021	-0.000217	-0.000224	-0.00023	-0.000233	-0.000235
Opt Res Capital Stock (Bil 92\$)	-0.00592	-0.006109	-0.006309	-0.006503	-0.006684	-0.006848
Act Res Capital Stock (Bil 92\$)	-0.004474	-0.00462	-0.00477	-0.004924	-0.005079	-0.005233
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	8.88E-05	8.52E-05	8.17E-05	7.79E-05	7.40E-05	7.00E-05
Mining	-2.55E-05	-2.56E-05	-2.57E-05	-2.58E-05	-2.59E-05	-2.60E-05
Construction	-0.000349	-0.00038	-0.000411	-0.00044	-0.000468	-0.000491
Trans./Public Util.	-8.71E-05	-0.000103	-0.000121	-0.000138	-0.000153	-0.000166
Fin/Ins/Real Est	-0.000331	-0.000346	-0.000363	-0.000379	-0.000394	-0.000408
Retail Trade	-0.006065	-0.006323	-0.006614	-0.00691	-0.007181	-0.007412
Wholesale Trade	0.0002829	0.0002742	0.0002652	0.0002555	0.0002454	0.0002354
Services	0.0143	0.01407	0.01381	0.01352	0.01322	0.01292
Agri/For/Fish Serv	0.0004811	0.000478	0.0004746	0.0004702	0.0004651	0.0004598
State and Local	-0.0378	-0.03904	-0.04023	-0.04135	-0.0424	-0.04337
Federal Civilian	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	-6.20E-05	-6.18E-05	-6.17E-05	-6.14E-05	-6.11E-05	-6.08E-05
Amusem & Recr	0	0	0	0	0	0
Eating & Drinking	-0.00441	-0.004577	-0.004767	-0.004961	-0.005141	-0.0053

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment								
Lincoln County	1998	1999	2000	2001	2002	2003	2004	2005
Total Emp (Thous)	2.100677	2.16444	2.19511	2.225	2.25329	2.27707	2.302329	2.331268
Population (Thous)	4.15184	4.14069	4.13128	4.11556	4.09689	4.08397	4.07719	4.07634
GRP (Bil 92\$)	0.0838766	0.0875562	0.088566	0.0904175	0.0913123	0.0932237	0.0951178	0.0960013
State & Local Gov Spending (Bil 92\$)	0.0238896	0.0238307	0.023789	0.0247223	0.0246464	0.0255668	0.0254859	0.0264029
Real Disp Pers Inc (Bil 92\$)	0.0705188	0.0726861	0.074377	0.075871	0.076427	0.077992	0.079543	0.081098
Residential Investment (Bil 92\$)	0.0009564	0.000977	0.0009523	0.0009127	0.0008844	0.0008609	0.0008392	0.0008204
Opt Res Capital Stock (Bil 92\$)	0.0496564	0.0517758	0.052559	0.0532009	0.053894	0.054598	0.055295	0.055995
Act Res Capital Stock (Bil 92\$)	0.0399564	0.0409341	0.0418875	0.042802	0.0436896	0.0445555	0.0454018	0.0462318
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0179989	0.0191868	0.019194	0.0191684	0.0191559	0.0201479	0.020137	0.0201248
Mining	0.0549998	0.054042	0.0510397	0.0530312	0.0530247	0.0550186	0.0560113	0.0580035
Construction	0.0289314	0.0296573	0.0306919	0.0306558	0.0315902	0.0315327	0.0314564	0.0313718
Trans./Public Util.	0.1229231	0.123073	0.122045	0.1207571	0.1196104	0.1184975	0.1163718	0.115246
Fin/Ins/Real Est	0.0739378	0.0753106	0.0762828	0.0771608	0.0770898	0.0770334	0.0769741	0.0779165
Retail Trade	0.3542989	0.370927	0.378725	0.385548	0.3937458	0.398041	0.4032502	0.40744
Wholesale Trade	0.0399971	0.0414794	0.0425331	0.0434775	0.0444669	0.0454624	0.0454436	0.0464155
Services	0.5977953	0.64166	0.66622	0.69007	0.71282	0.73393	0.75664	0.78009
Agri/For/Fish Serv	0.022998	0.0234229	0.0234565	0.0234177	0.0234119	0.0234137	0.0234078	0.0233952
State and Local	0.578797	0.579672	0.579919	0.578715	0.577375	0.575998	0.575636	0.57626
Federal Civilian	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Federal Military	0.01	0.011	0.011	0.012	0.012	0.012	0.012	0.012
Farm	0.161	0.159	0.157	0.155	0.153	0.15	0.148	0.146
Hotels	0.0079997	0.0089939	0.0089843	0.0089756	0.0089683	0.0099621	0.009957	0.009953
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1306821	0.1366502	0.1404669	0.1439722	0.1485917	0.1522388	0.155853	0.160458
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000)	0.03833	0.1114	0.2284	0.3196	0.3313	0.3195	0.298	0.2672
Test results: Lincoln cnty pop output after siml Level (1000)	4.20633	4.2764	4.3894	4.4736	4.4763	4.4615	4.443	4.4212



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + migration)								
Lincoln County	2006	2007	2008	2009	2010	2011	2012	2013
Total Emp (Thous)	2.358043	2.371847	2.395186	2.419911	2.444894	2.46904	2.491228	2.511375
Population (Thous)	4.0784	4.08246	4.0935	4.1134	4.1398	4.1758	4.2193	4.2694
GRP (Bil 92\$)	0.097875	0.0997942	0.10173	0.1036786	0.1056357	0.1076031	0.1095662	0.1115269
State & Local Gov Spending (Bil 92\$)	0.0263174	0.02724	0.0271692	0.0271041	0.0280429	0.027985	0.028925	0.029861
Real Disp Pers Inc (Bil 92\$)	0.082652	0.084284	0.085992	0.08772	0.089469	0.091232	0.092036	0.092836
Residential Investment (Bil 92\$)	0.0008037	0.0007957	0.0007949	0.0007957	0.0007978	0.0008005	0.0008056	0.0008094
Opt Res Capital Stock (Bil 92\$)	0.056697	0.057453	0.05926	0.060083	0.060919	0.061765	0.062636	0.063503
Act Res Capital Stock (Bil 92\$)	0.0470477	0.047859	0.048672	0.049489	0.05031	0.051138	0.051973	0.051815
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0201126	0.0201096	0.0201088	0.0201095	0.020111	0.0201136	0.0201149	0.0211163
Mining	0.0599948	0.058991	0.0589882	0.057986	0.0569844	0.0559823	0.0549807	0.0539793
Construction	0.0313614	0.0313124	0.0322808	0.0322596	0.0322453	0.0321494	0.0321379	0.0321252
Trans./Public Util.	0.1140914	0.1130391	0.112008	0.1099903	0.1089813	0.1070108	0.1050094	0.1040085
Fin/Ins/Real Est	0.0778517	0.0778225	0.0778048	0.0777939	0.0777874	0.0777935	0.0777906	0.0777878
Retail Trade	0.4096	0.411095	0.417744	0.422472	0.428258	0.432109	0.436001	0.4379
Wholesale Trade	0.0473778	0.0483641	0.0483568	0.0493547	0.0493558	0.0503563	0.0503547	0.0513537
Services	0.80341	0.8161	0.83498	0.853	0.87111	0.88927	0.90641	0.92257
Agri/For/Fish Serv	0.0233753	0.0243774	0.0243817	0.0243888	0.0253976	0.025413	0.0254212	0.0264295
State and Local	0.57787	0.57864	0.57954	0.58256	0.58567	0.58984	0.59501	0.60011
Federal Civilian	0.036	0.037	0.037	0.037	0.037	0.037	0.038	0.038
Federal Military	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.144	0.143	0.141	0.14	0.138	0.137	0.136	0.134
Hotels	0.0099502	0.0099486	0.0109472	0.010946	0.0109449	0.0109437	0.0109426	0.0109416
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.163053	0.165791	0.168597	0.172434	0.175295	0.178178	0.180094	0.183013
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000)	0.2425	0.213	0.1883	0.167	0.1474	0.1293	0.1067	0.07571
Test results: Lincoln cnty pop output after siml Level (1000)	4.4085	4.392	4.3863	4.392	4.4054	4.4293	4.4567	4.48271



### Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + migration)								
Lincoln County	2014	2015	2016	2017	2018	2019	2020	2021
Total Emp (Thous)	2.531488	2.550637	2.56878	2.58684	2.60479	2.62169	2.63856	2.65639
Population (Thous)	4.3282	4.3908	4.4562	4.5223	4.5889	4.6571	4.7242	4.7904
GRP (Bil 92\$)	0.1134855	0.1154448	0.1164032	0.1183571	0.1203073	0.1222538	0.1231994	0.1251488
State & Local Gov Spending (Bil 92\$)	0.029794	0.030725	0.031654	0.03158	0.032502	0.033421	0.033339	0.034258
Real Disp Pers Inc (Bil 92\$)	0.094627	0.095431	0.096242	0.098032	0.098838	0.099637	0.100451	0.102275
Residential Investment (Bil 92\$)	0.0008118	0.0008145	0.0008173	0.0008177	0.0008188	0.0008191	0.0008201	0.0008216
Opt Res Capital Stock (Bil 92\$)	0.064366	0.064237	0.065113	0.065975	0.066846	0.066713	0.067588	0.06847
Act Res Capital Stock (Bil 92\$)	0.052661	0.053513	0.05437	0.055229	0.056092	0.056958	0.056826	0.057698
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0211176	0.0211188	0.02112	0.0211211	0.0201211	0.0201191	0.0201166	0.0201156
Mining	0.0529782	0.0519773	0.0509766	0.0499762	0.0489758	0.0479756	0.0469754	0.0459752
Construction	0.0321112	0.0330975	0.0330835	0.0330659	0.0330462	0.0330249	0.0330036	0.0329042
Trans./Public Util.	0.1020077	0.1000086	0.0980103	0.0960094	0.0940079	0.0930051	0.0910026	0.0890235
Fin/Ins/Real Est	0.0777849	0.0777833	0.0777822	0.0777794	0.0767761	0.0767718	0.0767677	0.0767718
Retail Trade	0.440803	0.441734	0.442686	0.443608	0.444542	0.445469	0.446414	0.447386
Wholesale Trade	0.0513529	0.0513523	0.0513516	0.0513507	0.0513486	0.0513462	0.0513434	0.0513417
Services	0.93673	0.95189	0.96605	0.98019	0.99328	1.00736	1.02142	1.03542
Agri/For/Fish Serv	0.0264377	0.0264456	0.0274533	0.0274603	0.0274658	0.0274707	0.0284749	0.0284835
State and Local	0.60617	0.61323	0.62026	0.62727	0.63423	0.64114	0.64804	0.65396
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.133	0.132	0.13	0.129	0.128	0.126	0.125	0.124
Hotels	0.0119406	0.0119398	0.0119391	0.0119386	0.0119384	0.0119382	0.0119382	0.0119381
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.184934	0.18687	0.188817	0.19075	0.191693	0.193634	0.195585	0.197544
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000)	0.02456	-0.02225	-0.06631	-0.1248	-0.1786	-0.2282	-0.2741	-0.3162
Test results: Lincoln cnty pop output after siml Level (1000)	4.49756	4.52075	4.54969	4.5652	4.5864	4.6138	4.6439	4.6768

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + mig)								
Lincoln County	2022	2023	2024	2025	2026	2027	2028	2029
Total Emp (Thous)	2.67414	2.69389	2.71456	2.73511	2.75549	2.77985	2.80411	2.83132
Population (Thous)	4.8544	4.9167	4.979	5.0388	5.0968	5.1521	5.2061	5.2602
GRP (Bil 92\$)	0.127088	0.1290277	0.130964	0.132894	0.134817	0.136736	0.138652	0.141565
State & Local Gov Spending (Bil 92\$)	0.035172	0.03509	0.036006	0.036918	0.036821	0.037724	0.038623	0.03852
Real Disp Pers Inc (Bil 92\$)	0.103063	0.104869	0.106659	0.108443	0.110206	0.110934	0.112663	0.114375
Residential Investment (Bil 92\$)	0.0008202	0.0008201	0.0008186	0.0008164	0.0008126	0.0008072	0.000802	0.0007961
Opt Res Capital Stock (Bil 92\$)	0.069334	0.070207	0.072073	0.072932	0.073779	0.074611	0.075442	0.076264
Act Res Capital Stock (Bil 92\$)	0.058571	0.059445	0.06032	0.061195	0.062068	0.061938	0.062804	0.063667
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0201132	0.0201105	0.0201076	0.0201045	0.0201014	0.0200984	0.0200953	0.020092
Mining	0.0449752	0.0439751	0.042975	0.0419749	0.0409748	0.0409747	0.0399746	0.0389745
Construction	0.0328808	0.0328578	0.0328328	0.0328055	0.0327752	0.0337449	0.0337142	0.0336826
Trans./Public Util.	0.0870162	0.0860082	0.0839982	0.0829866	0.0809734	0.0799592	0.0789446	0.0779289
Fin/Ins/Real Est	0.0757645	0.0757573	0.0757485	0.0757382	0.0757259	0.0757127	0.0746988	0.0756841
Retail Trade	0.448288	0.449193	0.451072	0.452934	0.454777	0.456588	0.458392	0.461173
Wholesale Trade	0.0513382	0.0513334	0.0513277	0.0513212	0.051314	0.0513071	0.0512994	0.0512913
Services	1.05042	1.06437	1.08029	1.09518	1.11204	1.12989	1.14771	1.16751
Agri/For/Fish Serv	0.0284864	0.029488	0.0294888	0.0294886	0.0304877	0.030487	0.0314856	0.0314836
State and Local	0.66086	0.66779	0.67372	0.68058	0.68732	0.69409	0.7008	0.7075
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014
Farm	0.123	0.121	0.12	0.119	0.118	0.117	0.116	0.114
Hotels	0.012938	0.0129379	0.0129377	0.0129376	0.0129376	0.0129376	0.0129377	0.0139378
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.199472	0.202404	0.205321	0.207231	0.210131	0.213009	0.215884	0.218743
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000)	-0.355	-0.3903	-0.4226	-0.4528	-0.4813	-0.5072	-0.5315	-0.5539
Test results: Lincoln cnty pop output after siml Level (1000)	4.711	4.7467	4.7854	4.8242	4.8637	4.9028	4.9425	4.9841

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + migration)						
Lincoln County	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	2.8595	2.88969	2.92187	2.95709	2.99239	3.02682
Population (Thous)	5.3134	5.3662	5.4205	5.4785	5.54	5.6032
GRP (Bil 92\$)	0.143477	0.146389	0.148298	0.15121	0.154124	0.157045
State & Local Gov Spending (Bil 92\$)	0.03942	0.040322	0.041224	0.041131	0.042042	0.042959
Real Disp Pers Inc (Bil 92\$)	0.116079	0.117771	0.120433	0.123107	0.12579	0.12751
Residential Investment (Bil 92\$)	0.0017899	0.0017835	0.0017763	0.0017704	0.0017667	0.0017653
Opt Res Capital Stock (Bil 92\$)	0.07708	0.077891	0.079691	0.081497	0.082316	0.083152
Act Res Capital Stock (Bil 92\$)	0.064526	0.06538	0.06623	0.067076	0.067921	0.069767
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	0.0200888	0.0200852	0.0210817	0.0210779	0.021074	0.02107
Mining	0.0379745	0.0379744	0.0369743	0.0369742	0.0359741	0.035974
Construction	0.0336512	0.0346205	0.0345894	0.0345599	0.0345325	0.0355089
Trans./Public Util.	0.0759129	0.0748966	0.0738793	0.0738623	0.0728471	0.0718344
Fin/Ins/Real Est	0.0756691	0.0756536	0.0756371	0.075621	0.0756058	0.0755923
Retail Trade	0.463935	0.467677	0.472386	0.47709	0.481819	0.484588
Wholesale Trade	0.0512829	0.0512742	0.0512652	0.0522555	0.0522454	0.0522354
Services	1.1873	1.20807	1.22881	1.25152	1.27322	1.29592
Agri/For/Fish Serv	0.0324811	0.032478	0.0334746	0.0334702	0.0344651	0.0354598
State and Local	0.7152	0.72296	0.73077	0.73965	0.7496	0.75863
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.014	0.014	0.014	0.014	0.014	0.014
Farm	0.113	0.112	0.111	0.11	0.109	0.108
Hotels	0.013938	0.0139382	0.0139384	0.0139386	0.0149389	0.0149392
Amusem & Recr	0	0	0	0	0	0
Eating & Drinking	0.22159	0.225423	0.230233	0.234039	0.238859	0.2427
Population Changes & Levels						
Test results: Lincoln cnty pop changes after siml Change (1000)	-0.574	-0.5921	-0.6085	-0.6235	-0.6374	-0.6502
Test results: Lincoln cnty pop output after siml Level (1000)	5.027	5.0709	5.1175	5.1685	5.2236	5.2808

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
Lincoln County	1998	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	0.01591	0.05079	0.073	0.08829	0.09387	0.09589	0.09557	0.09244
Population (Thous)	0.03833	0.1114	0.2284	0.3196	0.3313	0.3195	0.298	0.2672
GRP (Bil 92\$)	0.0005445	0.001727	0.002549	0.003125	0.003297	0.003334	0.003287	0.00314
State & Local Gov Spending (Bil 92\$)	0.0002618	0.0007762	0.001622	0.002309	0.002436	0.002385	0.002259	0.002055
Real Disp Pers Inc (Bil 92\$)	1.36E-05	0.0006245	0.001072	0.001258	0.001098	0.0008327	0.0004971	8.69E-05
Residential Investment (Bil 92\$)	1.23E-06	5.64E-05	8.91E-05	9.48E-05	6.82E-05	3.60E-05	2.09E-06	-3.37E-05
Opt Res Capital Stock (Bil 92\$)	9.70E-06	0.0004461	0.000759	0.0008908	0.0007715	0.0005815	0.0003449	6.00E-05
Act Res Capital Stock (Bil 92\$)	1.23E-06	5.76E-05	0.0001458	0.0002382	0.0003025	0.0003337	0.0003305	0.0002916
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0001402	0.0003654	0.0004349	0.000485	0.0005476	0.0006016	0.0006421	0.0006624
Mining	1.94E-05	7.00E-05	8.64E-05	0.0001028	0.0001185	0.0001331	0.0001438	0.0001499
Construction	0.0007839	0.001672	0.002054	0.002305	0.002414	0.00244	0.002422	0.002329
Trans./Public Util.	0.0004863	0.001768	0.002071	0.002163	0.002336	0.002469	0.002541	0.002539
Fin/Ins/Real Est	0.0003125	0.0008139	0.001031	0.001144	0.001213	0.001251	0.001266	0.001238
Retail Trade	0.001341	0.005236	0.005977	0.005976	0.00631	0.006598	0.006696	0.006561
Wholesale Trade	0.0002376	0.0007432	0.0008816	0.0009358	0.001038	0.00113	0.001198	0.001232
Services	0.00698	0.02404	0.02818	0.03028	0.03324	0.03612	0.03836	0.03962
Agri/For/Fish Serv	0.0003797	0.0008268	0.0009198	0.0009515	0.001022	0.001087	0.001142	0.001164
State and Local	0.005226	0.01525	0.03136	0.04394	0.04563	0.04406	0.04116	0.03695
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	5.52E-06	8.93E-06	1.80E-05	3.39E-05	4.93E-05	6.20E-05	7.13E-05	7.63E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	1.36E-06	0.0009196	0.0008862	0.0006636	0.0006464	0.0006583	0.0006306	0.000544
Changes in Migrants								
Total Migrants	3.89E-02	0.0728	0.1154	0.08433	0.0004395	-0.02357	-0.03264	-0.04116

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upda								
Lincoln County	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	0.08936	0.08528	0.08214	0.0796	0.07709	0.07474	0.07135	0.06664
Population (Thous)	0.2425	0.213	0.1883	0.167	0.1474	0.1293	0.1067	0.07571
GRP (Bil 92\$)	0.002998	0.002854	0.002737	0.002644	0.002553	0.002472	0.002346	0.002161
State & Local Gov Spending (Bil 92\$)	0.001889	0.001677	0.001497	0.00134	0.001194	0.001056	0.0008781	0.0006268
Real Disp Pers Inc (Bil 92\$)	-0.00031	-0.00069	-0.000994	-0.00127	-0.001534	-0.001788	-0.002057	-0.002388
Residential Investment (Bil 92\$)	-6.34E-05	-8.80E-05	-0.000103	-0.000113	-0.000122	-0.000128	-0.000136	-0.000148
Opt Res Capital Stock (Bil 92\$)	-0.000213	-0.000473	-0.00068	-0.000866	-0.001043	-0.001213	-0.001394	-0.001617
Act Res Capital Stock (Bil 92\$)	0.0002236	0.0001322	2.74E-05	-8.62E-05	-0.000206	-0.000331	-0.000461	-0.000602
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0006692	0.0006759	0.0006826	0.0006866	0.0006855	0.0006827	0.0006743	0.0006634
Mining	0.000154	0.0001529	0.0001495	0.000145	0.000139	0.0001316	0.0001237	0.0001151
Construction	0.002316	0.002224	0.002162	0.00212	0.002075	0.001946	0.001872	0.001772
Trans./Public Util.	0.002465	0.002441	0.002399	0.002355	0.002299	0.002275	0.002197	0.002109
Fin/Ins/Real Est	0.001195	0.001155	0.001131	0.001115	0.001097	0.001091	0.001061	0.001019
Retail Trade	0.006211	0.00603	0.005951	0.005897	0.005811	0.005745	0.005582	0.005387
Wholesale Trade	0.00124	0.001255	0.001267	0.001277	0.001279	0.001275	0.001259	0.00124
Services	0.04037	0.04067	0.04112	0.04165	0.04204	0.04242	0.04254	0.04258
Agri/For/Fish Serv	0.001174	0.001198	0.001227	0.001261	0.00129	0.001324	0.001342	0.001356
State and Local	0.03357	0.02948	0.02606	0.0231	0.02038	0.01785	0.0147	0.0104
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	7.84E-05	7.67E-05	7.28E-05	6.68E-05	5.92E-05	5.07E-05	4.17E-05	3.23E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.0003852	0.000321	0.0002752	0.0002388	0.0001945	0.0001577	1.11E-04	6.78E-05
Changes in Migrants								
Total Migrants	-0.03616	-0.04088	-0.03561	-0.03189	-0.02924	-0.02736	-3.15E-02	-4.01E-02

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upda								
Lincoln County	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	0.05919	0.05218	0.04535	0.03632	0.02756	0.01929	0.01133	0.003595
Population (Thous)	0.02456	-0.02225	-0.06631	-0.1248	-0.1786	-0.2282	-0.2741	-0.3162
GRP (Bil 92\$)	0.001857	0.001571	0.001292	0.0009147	0.0005511	0.0002073	-0.000123	-0.000437
State & Local Gov Spending (Bil 92\$)	0.0002046	-0.000186	-0.000559	-0.001057	-0.001519	-0.001949	-0.002349	-0.002719
Real Disp Pers Inc (Bil 92\$)	-0.002846	-0.003266	-0.003671	-0.00419	-0.004669	-0.005132	-0.005565	-0.005973
Residential Investment (Bil 92\$)	-0.000169	-0.000185	-0.000198	-0.000219	-0.000235	-0.000248	-0.000257	-0.000263
Opt Res Capital Stock (Bil 92\$)	-0.001925	-0.002207	-0.002479	-0.002826	-0.003148	-0.003458	-0.003749	-0.004023
Act Res Capital Stock (Bil 92\$)	-0.000761	-0.000934	-0.001117	-0.001318	-0.001532	-0.001755	-0.001983	-0.002215
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.00065	0.000632	0.0006083	0.0005779	0.0005393	0.0004962	0.0004493	0.0004017
Mining	0.000105	9.41E-05	8.28E-05	6.98E-05	5.59E-05	4.14E-05	2.63E-05	1.08E-05
Construction	0.001637	0.001507	0.001376	0.001209	0.001047	0.0008961	0.0007504	0.0005316
Trans./Public Util.	0.002007	0.001898	0.001783	0.00165	0.001505	0.00136	0.00121	0.001082
Fin/Ins/Real Est	0.0009612	0.0009061	0.0008503	0.0007721	0.0006932	0.0006157	0.0005364	0.0004636
Retail Trade	0.005198	0.004982	0.004721	0.004407	0.004016	0.003602	0.003144	0.002669
Wholesale Trade	0.001217	0.00119	0.001158	0.00112	0.001073	0.001024	0.0009682	0.0009095
Services	0.04268	0.04261	0.04239	0.04202	0.04134	0.04056	0.03957	0.03836
Agri/For/Fish Serv	0.001377	0.001391	0.001398	0.001402	0.001397	0.001389	0.001374	0.001359
State and Local	0.003363	-0.003036	-0.009019	-0.01691	-0.02411	-0.03069	-0.03671	-0.04219
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	2.03E-05	6.59E-06	-8.28E-06	-2.64E-05	-4.70E-05	-6.99E-05	-9.47E-05	-0.000121
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	5.95E-05	3.92E-05	1.12E-06	-4.22E-05	-0.000119	-0.000217	-0.000337	-0.000476
Changes in Migrants								
Total Migrants	-6.05E-02	-5.59E-02	-5.31E-02	-6.82E-02	-0.06302	-0.05882	-0.05479	-0.05095



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upda								
Lincoln County	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	-0.003862	-0.011	-0.01779	-0.02439	-0.03095	-0.0372	-0.04332	-0.04884
Population (Thous)	-0.355	-0.3903	-0.4226	-0.4528	-0.4813	-0.5072	-0.5315	-0.5539
GRP (Bil 92\$)	-0.000746	-0.001041	-0.001322	-0.001595	-0.001865	-0.002126	-0.002381	-0.002613
State & Local Gov Spending (Bil 92\$)	-0.003066	-0.003383	-0.00368	-0.003959	-0.004225	-0.004477	-0.004717	-0.004944
Real Disp Pers Inc (Bil 92\$)	-0.006401	-0.006801	-0.007201	-0.007594	-0.007989	-0.008407	-0.008818	-0.009222
Residential Investment (Bil 92\$)	-0.00027	-0.000274	-0.000278	-0.000282	-0.000285	-0.00029	-0.000293	-0.000296
Opt Res Capital Stock (Bil 92\$)	-0.004306	-0.004571	-0.004834	-0.005092	-0.005352	-0.005617	-0.005878	-0.006132
Act Res Capital Stock (Bil 92\$)	-0.002449	-0.002684	-0.00292	-0.003155	-0.00339	-0.003625	-0.003861	-0.004095
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0003512	0.0002997	0.0002486	0.000198	0.0001478	9.95E-05	5.25E-05	8.99E-06
Mining	-4.50E-06	-1.97E-05	-3.46E-05	-4.89E-05	-6.28E-05	-7.59E-05	-8.84E-05	-9.98E-05
Construction	0.0003937	0.0002637	0.0001406	2.27E-05	-9.62E-05	-0.000208	-0.000316	-0.000406
Trans./Public Util.	0.000926	0.0007725	0.0006241	0.000479	0.0003361	0.0002004	7.01E-05	-4.44E-05
Fin/Ins/Real Est	0.0003794	0.0002953	0.0002126	0.0001291	4.36E-05	-3.96E-05	-0.000122	-0.000195
Retail Trade	0.002098	0.001503	0.0009025	2.72E-04	-0.000401	-0.001083	-0.001778	-0.002379
Wholesale Trade	0.0008462	0.0007796	0.0007127	0.0006444	0.000574	0.0005054	0.0004366	0.000375
Services	0.03702	0.03554	0.03401	0.0324	0.03065	0.02893	0.02714	0.02556
Agri/For/Fish Serv	0.001335	0.001307	0.001278	0.001247	0.001212	0.001178	0.001143	0.001115
State and Local	-0.04721	-0.05174	-0.05589	-0.05973	-0.06336	-0.0667	-0.06986	-0.07278
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-0.000149	-0.000177	-0.000206	-0.000234	-0.000263	-0.000291	-0.000319	-0.000346
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.000664	-0.000869	-0.001088	-0.00133	-0.001597	-0.001883	-0.002181	-0.002451
Changes in Migrants								
Total Migrants	-0.04757	-0.04388	-0.04098	-0.03872	-0.037	-0.03442	-0.03251	-0.03049

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE						
CHANGES						
Changes caused by simulation (UNLV upda						
Lincoln County	2030	2031	2032	2033	2034	2035
Employment (Thous)	-0.05411	-0.05924	-0.06418	-0.06896	-0.07332	-0.07776
Population (Thous)	-0.574	-0.5921	-0.6085	-0.6235	-0.6374	-0.6502
GRP (Bil 92\$)	-0.002832	-0.003044	-0.003252	-0.003451	-0.003636	-0.00382
State & Local Gov Spending (Bil 92\$)	-0.00515	-0.005344	-0.00553	-0.005705	-0.005874	-0.006033
Real Disp Pers Inc (Bil 92\$)	-0.009619	-0.01001	-0.01043	-0.01083	-0.01121	-0.01155
Residential Investment (Bil 92\$)	-0.000299	-0.000301	-0.000303	-0.000305	-0.000305	-0.000302
Opt Res Capital Stock (Bil 92\$)	-0.006383	-0.006628	-0.006876	-0.007119	-0.007339	-0.00754
Act Res Capital Stock (Bil 92\$)	-0.004329	-0.004561	-0.004791	-0.00502	-0.005245	-0.005463
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	-3.30E-05	-7.43E-05	-0.000114	-0.000152	-0.000187	-0.000223
Mining	-0.000111	-0.000121	-0.000131	-0.00014	-0.000148	-0.000155
Construction	-0.00049	-0.000575	-0.000656	-0.000733	-0.000801	-0.00088
Trans./Public Util.	-0.000153	-0.000257	-0.000356	-0.00045	-0.000532	-0.000611
Fin/Ins/Real Est	-0.000267	-0.000338	-0.000408	-0.000476	-0.000538	-0.0006
Retail Trade	-0.002978	-0.003585	-0.0042	-0.004817	-0.005336	-0.005827
Wholesale Trade	0.0003143	0.0002534	0.0001939	0.0001352	8.13E-05	2.68E-05
Services	0.02396	0.02228	0.02059	0.0189	0.01735	0.01558
Agri/For/Fish Serv	0.001087	0.001057	0.001029	0.001001	0.0009772	0.0009461
State and Local	-0.07545	-0.07788	-0.08013	-0.08223	-0.08419	-0.08602
Federal Civilian	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	-0.000373	-0.000399	-0.000424	-0.000449	-0.000473	-0.000495
Amusem & Recr	0	0	0	0	0	0
Eating & Drinking	-0.002729	-0.003016	-0.003317	-0.003624	-0.003888	-0.004132
Changes in Migrants						
Total Migrants	-0.02816	-0.02588	-0.02389	-0.02217	-0.02084	-0.0197



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								
<b>Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Lincoln County</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Employment (Thous)	2.11991	2.19679	2.249	2.29829	2.33487	2.36289	2.39057	2.41944
Population (Thous)	4.20633	4.2764	4.3894	4.4736	4.4763	4.4615	4.443	4.4212
GRP (Bil 92\$)	0.0845445	0.088727	0.090549	0.093125	0.094297	0.096334	0.098287	0.09914
State & Local Gov Spending (Bil 92\$)	0.0242618	0.0247762	0.025622	0.027309	0.027436	0.028385	0.028259	0.029055
Real Disp Pers Inc (Bil 92\$)	0.0710136	0.0736245	0.076072	0.078258	0.079098	0.0808327	0.0824971	0.0840869
Residential Investment (Bil 92\$)	0.0010012	0.0010564	0.0010891	0.0010948	0.0010682	0.001036	0.0010021	0.0009663
Opt Res Capital Stock (Bil 92\$)	0.0500097	0.0524461	0.053759	0.0548908	0.0557715	0.0565815	0.0573449	0.05806
Act Res Capital Stock (Bil 92\$)	0.0400012	0.0410576	0.0421458	0.0432382	0.0443025	0.0453337	0.0463305	0.0472916
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0181402	0.0193654	0.0194349	0.019485	0.0195476	0.0206016	0.0206421	0.0206624
Mining	0.0550194	0.05407	0.0510864	0.0531028	0.0531185	0.0551331	0.0561438	0.0581499
Construction	0.0297839	0.030672	0.032054	0.032305	0.033414	0.03344	0.033422	0.033329
Trans./Public Util.	0.1234863	0.123768	0.123071	0.122163	0.121336	0.120469	0.118541	0.117539
Fin/Ins/Real Est	0.0743125	0.0758139	0.077031	0.078144	0.078213	0.078251	0.078266	0.079238
Retail Trade	0.356341	0.373236	0.381977	0.389976	0.39931	0.404598	0.410696	0.415561
Wholesale Trade	0.0402376	0.0417432	0.0428816	0.0439358	0.045038	0.04613	0.046198	0.047232
Services	0.60498	0.65004	0.67718	0.70428	0.73024	0.75412	0.77936	0.80462
Agri/For/Fish Serv	0.0233797	0.0238268	0.0239198	0.0239515	0.024022	0.024087	0.024142	0.024164
State and Local	0.586226	0.59825	0.61536	0.62794	0.62963	0.62806	0.62616	0.62395
Federal Civilian	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Federal Military	0.01	0.011	0.011	0.012	0.012	0.012	0.012	0.012
Farm	0.161	0.159	0.157	0.155	0.153	0.15	0.148	0.146
Hotels	0.0080055	0.0090089	0.009018	0.0090339	0.0090493	0.010062	0.0100713	0.0100763
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1310014	0.1369196	0.1408862	0.1446636	0.1496464	0.1536583	0.1576306	0.162544
<b>Migrants</b>								
Total Migrants								
	0.034	0.046	0.084	0.047	-0.039	-0.059	-0.064	-0.070

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Const:</b>								
<b>Levels caused by simulation (UNLV update)</b>								
<b>Lincoln County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Employment (Thous)	2.44636	2.45828	2.48014	2.5036	2.52709	2.54974	2.56935	2.58564
Population (Thous)	4.4085	4.392	4.3863	4.392	4.4054	4.4293	4.4567	4.48271
GRP (Bil 92\$)	0.100998	0.102854	0.104737	0.106644	0.108553	0.110472	0.112346	0.114161
State & Local Gov Spending (Bil 92\$)	0.028889	0.029677	0.029497	0.02934	0.030194	0.030056	0.0308781	0.0316268
Real Disp Pers Inc (Bil 92\$)	0.0856904	0.0873096	0.0890061	0.09073	0.092466	0.094212	0.094943	0.095612
Residential Investment (Bil 92\$)	0.0009366	0.000912	0.0008973	0.0008868	0.0008784	0.0008719	0.0008644	0.0008524
Opt Res Capital Stock (Bil 92\$)	0.058787	0.0595267	0.0613205	0.0621344	0.062957	0.063787	0.064606	0.065383
Act Res Capital Stock (Bil 92\$)	0.0482236	0.0491322	0.0500274	0.0509138	0.0517937	0.0526689	0.0535387	0.0533985
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0206692	0.0206759	0.0206826	0.0206866	0.0206855	0.0206827	0.0206743	0.0216634
Mining	0.060154	0.0591529	0.0591495	0.058145	0.057139	0.0561316	0.0551237	0.0541151
Construction	0.033316	0.033224	0.034162	0.03412	0.034075	0.033946	0.033872	0.033772
Trans./Public Util.	0.116465	0.115441	0.114399	0.112355	0.111299	0.109275	0.107197	0.106109
Fin/Ins/Real Est	0.079195	0.079155	0.079131	0.079115	0.079097	0.079091	0.079061	0.079019
Retail Trade	0.418211	0.42003	0.426951	0.431897	0.437811	0.441745	0.445582	0.447387
Wholesale Trade	0.04824	0.049255	0.049267	0.050277	0.050279	0.051275	0.051259	0.05224
Services	0.82937	0.84267	0.86212	0.88065	0.89904	0.91742	0.93454	0.95058
Agri/For/Fish Serv	0.024174	0.025198	0.025227	0.025261	0.02629	0.026324	0.026342	0.027356
State and Local	0.62357	0.62148	0.62006	0.6211	0.62238	0.62485	0.6277	0.6294
Federal Civilian	0.036	0.037	0.037	0.037	0.037	0.037	0.038	0.038
Federal Military	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.144	0.143	0.141	0.14	0.138	0.137	0.136	0.134
Hotels	0.0100784	0.0100767	0.0110728	0.0110668	0.0110592	0.0110507	0.0110417	0.0110323
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1653852	0.168321	0.1712752	0.1752388	0.1781945	0.1811577	0.1831106	0.1860678
<b>Migrants</b>								
Total Migrants								
	-0.064	-0.066	-0.055	-0.045	-0.037	-0.030	-0.029	-0.030

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

LEVELS: Dollar amounts are in 1992 Const:								
Levels caused by simulation (UNLV update)								
Lincoln County	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	2.59919	2.61218	2.62435	2.63432	2.64456	2.65429	2.66433	2.675595
Population (Thous)	4.49756	4.52075	4.54969	4.5652	4.5864	4.6138	4.6439	4.6768
GRP (Bil 92\$)	0.115857	0.117571	0.118292	0.1199147	0.1215511	0.1232073	0.1238766	0.1255629
State & Local Gov Spending (Bil 92\$)	0.0312046	0.0318136	0.0324415	0.031943	0.032481	0.033051	0.032651	0.033281
Real Disp Pers Inc (Bil 92\$)	0.097154	0.097734	0.098329	0.09981	0.100331	0.100868	0.101435	0.103027
Residential Investment (Bil 92\$)	0.0008309	0.000815	0.000802	0.0007809	0.0007651	0.0007525	0.0007434	0.0007371
Opt Res Capital Stock (Bil 92\$)	0.066075	0.065793	0.066521	0.067174	0.067852	0.067542	0.068251	0.068977
Act Res Capital Stock (Bil 92\$)	0.054239	0.0550662	0.055883	0.056682	0.057468	0.058245	0.058017	0.058785
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.02165	0.021632	0.0216083	0.0215779	0.0205393	0.0204962	0.0204493	0.0204017
Mining	0.053105	0.0520941	0.0510828	0.0500698	0.0490559	0.0480414	0.0470263	0.0460108
Construction	0.033637	0.034507	0.034376	0.034209	0.034047	0.0338961	0.0337504	0.0335316
Trans./Public Util.	0.104007	0.101898	0.099783	0.09765	0.095505	0.09436	0.09221	0.090082
Fin/Ins/Real Est	0.0789612	0.0789061	0.0788503	0.0787721	0.0776932	0.0776157	0.0775364	0.0774636
Retail Trade	0.450198	0.450982	0.451721	0.452407	0.453016	0.453602	0.454144	0.454669
Wholesale Trade	0.052217	0.05219	0.052158	0.05212	0.052073	0.052024	0.0519682	0.0519095
Services	0.96468	0.97961	0.99339	1.00702	1.01934	1.03256	1.04557	1.05836
Agri/For/Fish Serv	0.027377	0.027391	0.028398	0.028402	0.028397	0.028389	0.029374	0.029359
State and Local	0.629363	0.630964	0.632981	0.63309	0.63389	0.63531	0.63729	0.63881
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Farm	0.133	0.132	0.13	0.129	0.128	0.126	0.125	0.124
Hotels	0.0120203	0.0120066	0.0119917	0.0119736	0.011953	0.0119301	0.0119053	0.011879
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1880595	0.1900392	0.1920011	0.1939578	0.1948807	0.1967835	0.1986627	0.2005243
<b>Migrants</b>								
Total Migrants								
	-0.044	-0.033	-0.026	-0.039	-0.032	-0.028	-0.026	-0.024

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Const:</b>								
<b>Levels caused by simulation (UNLV update)</b>								
<b>Lincoln County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Employment (Thous)	2.687138	2.701	2.71621	2.73161	2.74705	2.7668	2.78668	2.81016
Population (Thous)	4.711	4.7467	4.7854	4.8242	4.8637	4.9028	4.9425	4.9841
GRP (Bil 92\$)	0.1272537	0.128959	0.130678	0.132405	0.134135	0.135874	0.137619	0.140387
State & Local Gov Spending (Bil 92\$)	0.033934	0.033617	0.03432	0.035041	0.034775	0.035523	0.036283	0.036056
Real Disp Pers Inc (Bil 92\$)	0.103599	0.105199	0.106799	0.108406	0.110011	0.110593	0.112182	0.113778
Residential Investment (Bil 92\$)	0.0007302	0.0007258	0.0007218	0.0007183	0.0007148	0.0007105	0.0007067	0.0007039
Opt Res Capital Stock (Bil 92\$)	0.069694	0.070429	0.072166	0.072908	0.073648	0.074383	0.075122	0.075868
Act Res Capital Stock (Bil 92\$)	0.059551	0.060316	0.06108	0.061845	0.06261	0.062375	0.063139	0.063905
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0203512	0.0202997	0.0202486	0.020198	0.0201478	0.0200995	0.0200525	0.020009
Mining	0.0449955	0.0439803	0.0429654	0.0419511	0.0409372	0.0409241	0.0399116	0.0389003
Construction	0.0333937	0.0332637	0.0331406	0.0330227	0.0329038	0.0337923	0.0336838	0.033594
Trans./Public Util.	0.087926	0.0867725	0.0846241	0.083479	0.0813361	0.0802004	0.0790701	0.0779557
Fin/Ins/Real Est	0.0763794	0.0762953	0.0762126	0.0761291	0.0760436	0.0759605	0.0748782	0.0758049
Retail Trade	0.455098	0.455503	0.4569025	0.4582716	0.4595995	0.460917	0.462222	0.464621
Wholesale Trade	0.0518462	0.0517796	0.0517127	0.0516444	0.051574	0.0515054	0.0514366	0.051375
Services	1.07202	1.08454	1.09901	1.1124	1.12765	1.14393	1.16014	1.17856
Agri/For/Fish Serv	0.029335	0.030307	0.030278	0.030247	0.031212	0.031178	0.032143	0.032115
State and Local	0.64179	0.64526	0.64811	0.65227	0.65664	0.6613	0.66614	0.67122
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014
Farm	0.123	0.121	0.12	0.119	0.118	0.117	0.116	0.114
Hotels	0.0128515	0.0128232	0.0127944	0.0127656	0.0127369	0.0127087	0.0126811	0.0136539
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.2023364	0.205131	0.207912	0.20967	0.212403	0.215117	0.217819	0.220549
<b>Migrants</b>								
Total Migrants								
	-0.023	-0.021	-0.020	-0.021	-0.023	-0.024	-0.026	-0.027

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Const:</b>						
<b>Levels caused by simulation (UNLV update)</b>						
<b>Lincoln County</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	2.83489	2.86176	2.89082	2.92304	2.95568	2.98724
Population (Thous)	5.027	5.0709	5.1175	5.1685	5.2236	5.2808
GRP (Bil 92\$)	0.142168	0.144956	0.146748	0.149549	0.152364	0.15518
State & Local Gov Spending (Bil 92\$)	0.03685	0.037656	0.03847	0.038295	0.039126	0.039967
Real Disp Pers Inc (Bil 92\$)	0.115381	0.11699	0.11957	0.12217	0.12479	0.12645
Residential Investment (Bil 92\$)	0.0017014	0.0016994	0.0016969	0.0016948	0.0016955	0.0016981
Opt Res Capital Stock (Bil 92\$)	0.076617	0.077372	0.079124	0.080881	0.081661	0.08246
Act Res Capital Stock (Bil 92\$)	0.064671	0.065439	0.066209	0.06698	0.067755	0.069537
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	0.019967	0.0199257	0.0208861	0.0208483	0.0208132	0.0207774
Mining	0.0378894	0.0378791	0.0368695	0.0368604	0.0358523	0.0358447
Construction	0.0335096	0.0344254	0.0343443	0.0342668	0.034199	0.0351201
Trans./Public Util.	0.0758472	0.0747429	0.0736436	0.0735496	0.0724679	0.0713893
Fin/Ins/Real Est	0.0757334	0.0756622	0.0755921	0.0755236	0.0754619	0.0754001
Retail Trade	0.467022	0.470415	0.4748	0.479183	0.483664	0.486173
Wholesale Trade	0.0513143	0.0512534	0.0511939	0.0521352	0.0520813	0.0520268
Services	1.19696	1.21628	1.23559	1.2569	1.27735	1.29858
Agri/For/Fish Serv	0.033087	0.033057	0.034029	0.034001	0.0349772	0.0359461
State and Local	0.67755	0.68412	0.69087	0.69877	0.70781	0.71598
Federal Civilian	0.038	0.038	0.038	0.038	0.038	0.038
Federal Military	0.014	0.014	0.014	0.014	0.014	0.014
Farm	0.113	0.112	0.111	0.11	0.109	0.108
Hotels	0.0136273	0.0136012	0.0135756	0.0135508	0.014527	0.0145046
Amusem & Recr	0	0	0	0	0	0
Eating & Drinking	0.223271	0.226984	0.231683	0.235376	0.240112	0.243868
<b>Migrants</b>						
Total Migrants						
	-0.030	-0.032	-0.031	-0.029	-0.029	-0.030

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands</b>								
<b>BASELINE LEVELS</b>								
<b>Lincoln County</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Employment (Thous)	2.119910	2.196790	2.249000	2.298290	2.334870	2.362890	2.390570	2.419440
Population (Thous)	4.206330	4.276400	4.389400	4.473600	4.476300	4.461500	4.443000	4.421200
GRP (Bil 2000\$)	0.092686	0.097271	0.099268	0.102092	0.103377	0.105610	0.107751	0.108687
State & Local Gov Spending (Bil 2000\$)	0.026598	0.027162	0.028089	0.029939	0.030078	0.031118	0.030980	0.031853
Real Disp Pers Inc (Bil 2000\$)	0.077852	0.080714	0.083397	0.085794	0.086715	0.088616	0.090441	0.092184
Residential Investment (Bil 2000\$)	0.001098	0.001158	0.001194	0.001200	0.001171	0.001136	0.001099	0.001059
Opt Res Capital Stock (Bil 2000\$)	0.054825	0.057496	0.058936	0.060176	0.061142	0.062030	0.062867	0.063651
Act Res Capital Stock (Bil 2000\$)	0.043853	0.045011	0.046204	0.047402	0.048569	0.049699	0.050792	0.051846
Exog Emp (Thous)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Exog Prod (Bil 2000\$)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Manufacturing	0.018140	0.019365	0.019435	0.019485	0.019548	0.020602	0.020642	0.020662
Mining	0.055019	0.054070	0.051086	0.053103	0.053119	0.055133	0.056144	0.058150
Construction	0.029784	0.030672	0.032054	0.032305	0.033414	0.033440	0.033422	0.033329
Trans./Public Util.	0.123486	0.123768	0.123071	0.122163	0.121336	0.120469	0.118541	0.117539
Fin/Ins/Real Est	0.074313	0.075814	0.077031	0.078144	0.078213	0.078251	0.078266	0.079238
Retail Trade	0.356341	0.373236	0.381977	0.389976	0.399310	0.404598	0.410696	0.415561
Wholesale Trade	0.040238	0.041743	0.042882	0.043936	0.045038	0.046130	0.046198	0.047232
Services	0.604980	0.650040	0.677180	0.704280	0.730240	0.754120	0.779360	0.804620
Agri/For/Fish Serv	0.023380	0.023827	0.023920	0.023952	0.024022	0.024087	0.024142	0.024164
State and Local	0.586226	0.598250	0.615360	0.627940	0.629630	0.628060	0.626160	0.623950
Federal Civilian	0.036000	0.036000	0.036000	0.036000	0.036000	0.036000	0.036000	0.036000
Federal Military	0.010000	0.011000	0.011000	0.012000	0.012000	0.012000	0.012000	0.012000
Farm	0.161000	0.159000	0.157000	0.155000	0.153000	0.150000	0.148000	0.146000
Hotels	0.008006	0.009009	0.009018	0.009034	0.009049	0.010062	0.010071	0.010076
Amusem & Recr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Eating & Drinking	0.131001	0.136920	0.140886	0.144664	0.149646	0.153658	0.157631	0.162544
<b>Migrants</b>								
Total Migrants	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Const:</b>								
<b>BASELINE LEVELS</b>								
<b>Lincoln County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Employment (Thous)	2.446360	2.458280	2.480140	2.503600	2.527090	2.549740	2.569350	2.585640
Population (Thous)	4.408500	4.392000	4.386300	4.392000	4.405400	4.429300	4.456700	4.482710
GRP (Bil 2000\$)	0.110724	0.112758	0.114823	0.116913	0.119006	0.121110	0.123164	0.125154
State & Local Gov Spending (Bil 2000\$)	0.031671	0.032535	0.032337	0.032165	0.033102	0.032950	0.033851	0.034672
Real Disp Pers Inc (Bil 2000\$)	0.093942	0.095717	0.097577	0.099467	0.101370	0.103284	0.104085	0.104819
Residential Investment (Bil 2000\$)	0.001027	0.001000	0.000984	0.000972	0.000963	0.000956	0.000948	0.000934
Opt Res Capital Stock (Bil 2000\$)	0.064448	0.065259	0.067225	0.068118	0.069019	0.069929	0.070827	0.071679
Act Res Capital Stock (Bil 2000\$)	0.052867	0.053863	0.054845	0.055817	0.056781	0.057741	0.058694	0.058540
Exog Emp (Thous)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Exog Prod (Bil 2000\$)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Manufacturing	0.020669	0.020676	0.020683	0.020687	0.020686	0.020683	0.020674	0.021663
Mining	0.060154	0.059153	0.059150	0.058145	0.057139	0.056132	0.055124	0.054115
Construction	0.033316	0.033224	0.034162	0.034120	0.034075	0.033946	0.033872	0.033772
Trans./Public Util.	0.116465	0.115441	0.114399	0.112355	0.111299	0.109275	0.107197	0.106109
Fin/Ins/Real Est	0.079195	0.079155	0.079131	0.079115	0.079097	0.079091	0.079061	0.079019
Retail Trade	0.418211	0.420030	0.426951	0.431897	0.437811	0.441745	0.445582	0.447387
Wholesale Trade	0.048240	0.049255	0.049267	0.050277	0.050279	0.051275	0.051259	0.052240
Services	0.829370	0.842670	0.862120	0.880650	0.899040	0.917420	0.934540	0.950580
Agri/For/Fish Serv	0.024174	0.025198	0.025227	0.025261	0.026290	0.026324	0.026342	0.027356
State and Local	0.623570	0.621480	0.620060	0.621100	0.622380	0.624850	0.627700	0.629400
Federal Civilian	0.036000	0.037000	0.037000	0.037000	0.037000	0.037000	0.038000	0.038000
Federal Military	0.012000	0.013000	0.013000	0.013000	0.013000	0.013000	0.013000	0.013000
Farm	0.144000	0.143000	0.141000	0.140000	0.138000	0.137000	0.136000	0.134000
Hotels	0.010078	0.010077	0.011073	0.011067	0.011059	0.011051	0.011042	0.011032
Amusem & Recr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Eating & Drinking	0.165385	0.168321	0.171275	0.175239	0.178195	0.181158	0.183111	0.186068
<b>Migrants</b>								
Total Migrants	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Const:</b>								
<b>BASELINE LEVELS</b>								
<b>Lincoln County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Employment (Thous)	2.599190	2.612180	2.624350	2.634320	2.644560	2.654290	2.664330	2.675595
Population (Thous)	4.497560	4.520750	4.549690	4.565200	4.586400	4.613800	4.643900	4.676800
GRP (Bil 2000\$)	0.127013	0.128892	0.129683	0.131462	0.133256	0.135071	0.135805	0.137654
State & Local Gov Spending (Bil 2000\$)	0.034209	0.034877	0.035565	0.035019	0.035609	0.036234	0.035795	0.036486
Real Disp Pers Inc (Bil 2000\$)	0.106509	0.107145	0.107798	0.109421	0.109992	0.110581	0.111203	0.112948
Residential Investment (Bil 2000\$)	0.000911	0.000893	0.000879	0.000856	0.000839	0.000825	0.000815	0.000808
Opt Res Capital Stock (Bil 2000\$)	0.072438	0.072128	0.072927	0.073642	0.074386	0.074046	0.074823	0.075619
Act Res Capital Stock (Bil 2000\$)	0.059462	0.060369	0.061264	0.062140	0.063002	0.063854	0.063604	0.064446
Exog Emp (Thous)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Exog Prod (Bil 2000\$)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Manufacturing	0.021650	0.021632	0.021608	0.021578	0.020539	0.020496	0.020449	0.020402
Mining	0.053105	0.052094	0.051083	0.050070	0.049056	0.048041	0.047026	0.046011
Construction	0.033637	0.034507	0.034376	0.034209	0.034047	0.033896	0.033750	0.033532
Trans./Public Util.	0.104007	0.101898	0.099783	0.097650	0.095505	0.094360	0.092210	0.090082
Fin/Ins/Real Est	0.078961	0.078906	0.078850	0.078772	0.077693	0.077616	0.077536	0.077464
Retail Trade	0.450198	0.450982	0.451721	0.452407	0.453016	0.453602	0.454144	0.454669
Wholesale Trade	0.052217	0.052190	0.052158	0.052120	0.052073	0.052024	0.051968	0.051910
Services	0.964680	0.979610	0.993390	1.007020	1.019340	1.032560	1.045570	1.058360
Agri/For/Fish Serv	0.027377	0.027391	0.028398	0.028402	0.028397	0.028389	0.029374	0.029359
State and Local	0.629363	0.630964	0.632981	0.633090	0.633890	0.635310	0.637290	0.638810
Federal Civilian	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000
Federal Military	0.013000	0.013000	0.013000	0.013000	0.013000	0.013000	0.013000	0.013000
Farm	0.133000	0.132000	0.130000	0.129000	0.128000	0.126000	0.125000	0.124000
Hotels	0.012020	0.012007	0.011992	0.011974	0.011953	0.011930	0.011905	0.011879
Amusem & Recr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Eating & Drinking	0.188060	0.190039	0.192001	0.193958	0.194881	0.196784	0.198663	0.200524
<b>Migrants</b>								
Total Migrants	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Const:</b>								
<b>BASELINE LEVELS</b>								
<b>Lincoln County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Employment (Thous)	2.687138	2.701000	2.716210	2.731610	2.747050	2.766800	2.786680	2.810160
Population (Thous)	4.711000	4.746700	4.785400	4.824200	4.863700	4.902800	4.942500	4.984100
GRP (Bil 2000\$)	0.139508	0.141377	0.143262	0.145155	0.147051	0.148958	0.150871	0.153905
State & Local Gov Spending (Bil 2000\$)	0.037202	0.036854	0.037625	0.038415	0.038124	0.038944	0.039777	0.039528
Real Disp Pers Inc (Bil 2000\$)	0.113575	0.115329	0.117083	0.118845	0.120604	0.121242	0.122984	0.124734
Residential Investment (Bil 2000\$)	0.000801	0.000796	0.000791	0.000787	0.000784	0.000779	0.000775	0.000772
Opt Res Capital Stock (Bil 2000\$)	0.076405	0.077211	0.079115	0.079929	0.080740	0.081546	0.082356	0.083174
Act Res Capital Stock (Bil 2000\$)	0.065285	0.066124	0.066962	0.067800	0.068639	0.068381	0.069219	0.070059
Exog Emp (Thous)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Exog Prod (Bil 2000\$)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Manufacturing	0.020351	0.020300	0.020249	0.020198	0.020148	0.020099	0.020052	0.020009
Mining	0.044996	0.043980	0.042965	0.041951	0.040937	0.040924	0.039912	0.038900
Construction	0.033394	0.033264	0.033141	0.033023	0.032904	0.033792	0.033684	0.033594
Trans./Public Util.	0.087926	0.086773	0.084624	0.083479	0.081336	0.080200	0.079070	0.077956
Fin/Ins/Real Est	0.076379	0.076295	0.076213	0.076129	0.076044	0.075960	0.074878	0.075805
Retail Trade	0.455098	0.455503	0.456903	0.458272	0.459600	0.460917	0.462222	0.464621
Wholesale Trade	0.051846	0.051780	0.051713	0.051644	0.051574	0.051505	0.051437	0.051375
Services	1.072020	1.084540	1.099010	1.112400	1.127650	1.143930	1.160140	1.178560
Agri/For/Fish Serv	0.029335	0.030307	0.030278	0.030247	0.031212	0.031178	0.032143	0.032115
State and Local	0.641790	0.645260	0.648110	0.652270	0.656640	0.661300	0.666140	0.671220
Federal Civilian	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000
Federal Military	0.013000	0.013000	0.013000	0.014000	0.014000	0.014000	0.014000	0.014000
Farm	0.123000	0.121000	0.120000	0.119000	0.118000	0.117000	0.116000	0.114000
Hotels	0.012852	0.012823	0.012794	0.012766	0.012737	0.012709	0.012681	0.013654
Amusem & Recr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Eating & Drinking	0.202336	0.205131	0.207912	0.209670	0.212403	0.215117	0.217819	0.220549
<b>Migrants</b>								
Total Migrants	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

LEVELS: Dollar amounts are in 2000 Const:						
BASELINE LEVELS						
Lincoln County	2030	2031	2032	2033	2034	2035
Employment (Thous)	2.834890	2.861760	2.890820	2.923040	2.955680	2.987240
Population (Thous)	5.027000	5.070900	5.117500	5.168500	5.223600	5.280800
GRP (Bil 2000\$)	0.155858	0.158914	0.160879	0.163950	0.167036	0.170123
State & Local Gov Spending (Bil 2000\$)	0.040398	0.041282	0.042174	0.041983	0.042894	0.043816
Real Disp Pers Inc (Bil 2000\$)	0.126492	0.128255	0.131084	0.133934	0.136807	0.138626
Residential Investment (Bil 2000\$)	0.001865	0.001863	0.001860	0.001858	0.001859	0.001862
Opt Res Capital Stock (Bil 2000\$)	0.083995	0.084822	0.086743	0.088669	0.089524	0.090400
Act Res Capital Stock (Bil 2000\$)	0.070898	0.071740	0.072585	0.073430	0.074279	0.076233
Exog Emp (Thous)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Exog Prod (Bil 2000\$)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Manufacturing	0.019967	0.019926	0.020886	0.020848	0.020813	0.020777
Mining	0.037889	0.037879	0.036870	0.036860	0.035852	0.035845
Construction	0.033510	0.034425	0.034344	0.034267	0.034199	0.035120
Trans./Public Util.	0.075847	0.074743	0.073644	0.073550	0.072468	0.071389
Fin/Ins/Real Est	0.075733	0.075662	0.075592	0.075524	0.075462	0.075400
Retail Trade	0.467022	0.470415	0.474800	0.479183	0.483664	0.486173
Wholesale Trade	0.051314	0.051253	0.051194	0.052135	0.052081	0.052027
Services	1.196960	1.216280	1.235590	1.256900	1.277350	1.298580
Agri/For/Fish Serv	0.033087	0.033057	0.034029	0.034001	0.034977	0.035946
State and Local	0.677550	0.684120	0.690870	0.698770	0.707810	0.715980
Federal Civilian	0.038000	0.038000	0.038000	0.038000	0.038000	0.038000
Federal Military	0.014000	0.014000	0.014000	0.014000	0.014000	0.014000
Farm	0.113000	0.112000	0.111000	0.110000	0.109000	0.108000
Hotels	0.013627	0.013601	0.013576	0.013551	0.014527	0.014505
Amusem & Recr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Eating & Drinking	0.223271	0.226984	0.231683	0.235376	0.240112	0.243868
<b>Migrants</b>						
Total Migrants	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Total Emp (Thous)	367.871	374.773	379.525	386.123	392.133	397.031	402.266	407.8
Population (Thous)	550.722	560.412	569.338	578.155	586.893	595.447	603.892	612.248
GRP (Bil 92\$)	16.722	17.262	17.527	18.036	18.384	18.782	19.205	19.642
State & Local Gov Spending (Bil 92\$)	2.07	2.147	2.223	2.297	2.372	2.443	2.516	2.586
Real Disp Pers Inc (Bil 92\$)	11.694	12.085	12.315	12.649	12.976	13.3	13.633	13.961
Residential Investment (Bil 92\$)	0.83	0.845	0.796	0.805	0.789	0.777	0.769	0.767
Opt Res Capital Stock (Bil 92\$)	19.855	20.527	20.724	21.294	21.685	22.081	22.49	22.925
Act Res Capital Stock (Bil 92\$)	14.445	15.017	15.533	16.049	16.541	17.015	17.474	17.924
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.991	24.101	23.938	23.886	23.918	23.884	23.899	23.905
Mining	11.834	10.935	9.889	9.652	9.294	9.145	9.043	8.965
Construction	24.916	25.14	24.852	24.737	24.883	24.751	24.661	24.654
Trans./Public Util.	17.291	17.512	17.634	17.793	17.975	18.086	18.227	18.379
Fin/Ins/Real Est	24.389	24.796	25.121	25.571	25.865	26.124	26.412	26.718
Retail Trade	56.137	57.361	57.912	58.651	59.373	59.71	59.978	60.244
Wholesale Trade	16.735	16.96	17.087	17.255	17.548	17.771	18.015	18.271
Services	137.683	142.015	146.265	151.008	154.962	158.541	162.288	166.222
Agri/For/Fish Serv	3.91	3.956	4.018	4.079	4.14	4.184	4.236	4.29
State and Local	39.508	40.364	41.134	41.832	42.53	43.203	43.887	44.546
Federal Civilian	5.125	5.164	5.182	5.177	5.171	5.166	5.161	5.156
Federal Military	2.398	2.569	2.641	2.684	2.728	2.771	2.815	2.858
Farm	3.953	3.901	3.85	3.798	3.746	3.695	3.642	3.591
Hotels	47.589	48.496	49.351	50.347	51.112	51.748	52.455	53.217
Amusem & Recr	14.072	14.664	15.288	15.939	16.48	16.993	17.533	18.099
Eating & Drinking	15.819	16.127	16.451	16.853	17.263	17.587	17.922	18.286
<b>Migrants</b>								
Total Migrants	6.154	5.356	4.774	4.713	4.612	4.403	4.252	4.119

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Emp (Thous)	413.699	416.799	420.533	424.427	428.385	432.395	436.02	439.344
Population (Thous)	620.499	628.545	636.387	644.26	652.128	660.033	667.951	675.878
GRP (Bil 92\$)	20.13	20.479	20.85	21.234	21.621	22.014	22.389	22.75
State & Local Gov Spending (Bil 92\$)	2.657	2.718	2.779	2.841	2.902	2.962	3.019	3.074
Real Disp Pers Inc (Bil 92\$)	14.306	14.61	14.918	15.23	15.538	15.856	16.149	16.429
Residential Investment (Bil 92\$)	0.771	0.768	0.769	0.77	0.773	0.779	0.783	0.786
Opt Res Capital Stock (Bil 92\$)	23.4	23.811	24.248	24.681	25.121	25.578	26.023	26.456
Act Res Capital Stock (Bil 92\$)	18.37	18.806	19.236	19.66	20.081	20.5	20.917	21.33
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.943	24.048	24.091	24.152	24.21	24.261	24.289	24.298
Mining	9.049	8.624	8.208	7.826	7.478	7.139	6.817	6.515
Construction	24.774	24.664	24.611	24.587	24.593	24.632	24.657	24.673
Trans./Public Util.	18.56	18.657	18.733	18.815	18.902	18.988	19.062	19.12
Fin/Ins/Real Est	27.057	27.04	27.072	27.116	27.161	27.209	27.233	27.237
Retail Trade	60.327	60.256	60.738	61.218	61.702	62.204	62.632	62.988
Wholesale Trade	18.508	18.626	18.773	18.923	19.071	19.213	19.333	19.438
Services	170.331	173.062	175.828	178.648	181.505	184.368	187.107	189.689
Agri/For/Fish Serv	4.352	4.419	4.49	4.563	4.638	4.714	4.786	4.854
State and Local	45.208	45.783	46.342	46.907	47.438	47.965	48.406	48.84
Federal Civilian	5.15	5.192	5.231	5.268	5.299	5.328	5.345	5.36
Federal Military	2.901	2.926	2.947	2.969	2.989	3.008	3.023	3.036
Farm	3.539	3.503	3.468	3.434	3.399	3.365	3.332	3.298
Hotels	54.018	54.665	55.625	56.619	57.631	58.645	59.64	60.6
Amusem & Recr	18.687	19.067	19.388	19.719	20.053	20.391	20.715	21.023
Eating & Drinking	18.63	18.841	19.105	19.38	19.666	19.97	20.261	20.541
<b>Migrants</b>								
Total Migrants	3.965	3.742	3.499	3.485	3.441	3.426	3.377	3.308

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Emp (Thous)	442.381	445.225	447.937	450.598	453.205	455.858	458.497	461.019
Population (Thous)	683.828	691.808	699.837	707.936	716.141	724.462	732.917	741.478
GRP (Bil 92\$)	23.103	23.45	23.792	24.138	24.477	24.824	25.169	25.51
State & Local Gov Spending (Bil 92\$)	3.13	3.184	3.238	3.293	3.345	3.398	3.45	3.502
Real Disp Pers Inc (Bil 92\$)	16.708	16.979	17.245	17.517	17.781	18.063	18.347	18.627
Residential Investment (Bil 92\$)	0.788	0.788	0.79	0.791	0.795	0.802	0.811	0.818
Opt Res Capital Stock (Bil 92\$)	26.872	27.28	27.685	28.088	28.504	28.935	29.387	29.829
Act Res Capital Stock (Bil 92\$)	21.738	22.14	22.537	22.929	23.319	23.709	24.101	24.494
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.278	24.24	24.183	24.114	24.033	23.944	23.841	23.729
Mining	6.207	5.922	5.651	5.399	5.152	4.924	4.697	4.486
Construction	24.664	24.644	24.626	24.614	24.615	24.639	24.677	24.707
Trans./Public Util.	19.162	19.196	19.223	19.245	19.267	19.283	19.301	19.312
Fin/Ins/Real Est	27.233	27.219	27.198	27.181	27.159	27.142	27.126	27.105
Retail Trade	63.274	63.512	63.715	63.9	64.08	64.27	64.473	64.632
Wholesale Trade	19.521	19.587	19.638	19.681	19.708	19.73	19.741	19.743
Services	192.16	194.569	196.913	199.245	201.548	203.839	206.125	208.335
Agri/For/Fish Serv	4.92	4.983	5.046	5.109	5.171	5.236	5.301	5.365
State and Local	49.276	49.681	50.088	50.474	50.86	51.261	51.652	52.069
Federal Civilian	5.372	5.379	5.385	5.386	5.386	5.386	5.383	5.382
Federal Military	3.049	3.061	3.071	3.082	3.09	3.098	3.105	3.111
Farm	3.265	3.233	3.2	3.168	3.137	3.105	3.074	3.043
Hotels	61.539	62.467	63.384	64.303	65.212	66.116	67.011	67.896
Amusem & Recr	21.325	21.623	21.915	22.211	22.503	22.798	23.093	23.384
Eating & Drinking	20.809	21.069	21.327	21.587	21.852	22.128	22.415	22.694
<b>Migrants</b>								
Total Migrants	3.24	3.182	3.127	3.087	3.084	3.093	3.133	3.145

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Total Emp (Thous)	463.737	466.584	469.568	472.659	475.856	479.366	483.145	487.147
Population (Thous)	750.165	758.98	767.889	776.902	786.034	795.294	804.663	814.1
GRP (Bil 92\$)	25.871	26.237	26.616	27	27.392	27.815	28.25	28.702
State & Local Gov Spending (Bil 92\$)	3.558	3.614	3.672	3.73	3.789	3.855	3.922	3.99
Real Disp Pers Inc (Bil 92\$)	18.937	19.248	19.572	19.895	20.229	20.6	20.97	21.351
Residential Investment (Bil 92\$)	0.828	0.839	0.85	0.862	0.875	0.888	0.901	0.915
Opt Res Capital Stock (Bil 92\$)	30.288	30.759	31.235	31.722	32.222	32.724	33.238	33.759
Act Res Capital Stock (Bil 92\$)	24.89	25.29	25.694	26.103	26.518	26.938	27.365	27.797
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.613	23.49	23.376	23.264	23.153	23.046	22.945	22.852
Mining	4.295	4.106	3.924	3.757	3.595	3.449	3.306	3.181
Construction	24.756	24.812	24.88	24.958	25.05	25.151	25.256	25.383
Trans./Public Util.	19.326	19.347	19.374	19.405	19.438	19.481	19.536	19.6
Fin/Ins/Real Est	27.103	27.108	27.123	27.145	27.172	27.228	27.298	27.38
Retail Trade	64.827	65.036	65.255	65.485	65.729	66.001	66.301	66.622
Wholesale Trade	19.747	19.744	19.743	19.741	19.739	19.745	19.749	19.758
Services	210.632	213	215.416	217.886	220.38	223.018	225.818	228.709
Agri/For/Fish Serv	5.432	5.502	5.573	5.646	5.721	5.8	5.883	5.969
State and Local	52.495	52.951	53.436	53.927	54.454	55.033	55.647	56.293
Federal Civilian	5.378	5.377	5.378	5.378	5.379	5.383	5.389	5.398
Federal Military	3.119	3.127	3.137	3.145	3.153	3.167	3.179	3.193
Farm	3.013	2.983	2.953	2.924	2.894	2.865	2.837	2.808
Hotels	68.802	69.729	70.681	71.652	72.633	73.665	74.749	75.877
Amusem & Recr	23.689	24.003	24.324	24.654	24.991	25.352	25.73	26.123
Eating & Drinking	22.991	23.3	23.62	23.95	24.291	24.648	25.023	25.412
<b>Migrants</b>								
Total Migrants	3.175	3.212	3.218	3.237	3.277	3.319	3.35	3.335

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>						
<b>Rest of Nevada</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	491.278	495.644	500.323	505.262	510.281	515.274
Population (Thous)	823.591	833.174	842.883	852.713	862.605	872.488
GRP (Bil 92\$)	29.158	29.633	30.14	30.662	31.195	31.724
State & Local Gov Spending (Bil 92\$)	4.058	4.129	4.206	4.284	4.365	4.444
Real Disp Pers Inc (Bil 92\$)	21.734	22.142	22.585	23.026	23.467	23.885
Residential Investment (Bil 92\$)	0.929	0.946	0.962	0.979	0.992	1.003
Opt Res Capital Stock (Bil 92\$)	34.291	34.848	35.412	35.986	36.545	37.089
Act Res Capital Stock (Bil 92\$)	28.236	28.684	29.141	29.606	30.076	30.549
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	22.764	22.677	22.599	22.528	22.467	22.404
Mining	3.056	2.935	2.827	2.723	2.621	2.533
Construction	25.518	25.679	25.845	26.015	26.183	26.338
Trans./Public Util.	19.669	19.748	19.835	19.932	20.039	20.145
Fin/Ins/Real Est	27.467	27.571	27.698	27.839	27.983	28.126
Retail Trade	66.956	67.333	67.74	68.17	68.582	68.958
Wholesale Trade	19.763	19.778	19.802	19.829	19.856	19.874
Services	231.669	234.717	237.934	241.31	244.749	248.21
Agri/For/Fish Serv	6.056	6.148	6.245	6.344	6.445	6.543
State and Local	56.964	57.666	58.405	59.174	59.955	60.739
Federal Civilian	5.408	5.418	5.429	5.441	5.453	5.465
Federal Military	3.207	3.221	3.239	3.258	3.277	3.296
Farm	2.78	2.752	2.725	2.698	2.671	2.644
Hotels	77.033	78.215	79.458	80.76	82.116	83.507
Amusem & Recr	26.525	26.942	27.382	27.841	28.31	28.78
Eating & Drinking	25.814	26.237	26.68	27.139	27.6	28.054
<b>Migrants</b>						
Total Migrants	3.304	3.3	3.311	3.316	3.246	3.103

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment</b>								
Total Emp (Thous)	-0.2829	-0.1182	-0.3134	-0.5909	-0.8202	-1.016	-1.203	-1.379
Population (Thous)	-0.4543	-0.8781	-1.296	-1.763	-2.249	-2.736	-3.218	-3.691
GRP (Bil 92\$)	-0.0115	-0.003382	-0.01099	-0.02257	-0.03189	-0.03999	-0.04789	-0.05543
State & Local Gov Spending (Bil 92\$)	-0.00162	-0.003192	-0.004804	-0.00665	-0.008631	-0.01066	-0.01274	-0.01481
Real Disp Pers Inc (Bil 92\$)	-0.01988	-0.03252	-0.0498	-0.06934	-0.0879	-0.1056	-0.1228	-0.1394
Residential Investment (Bil 92\$)	-0.00428	-0.00647	-0.009298	-0.01234	-0.01466	-0.0165	-0.018	-0.0192
Opt Res Capital Stock (Bil 92\$)	-0.03375	-0.05523	-0.08381	-0.1167	-0.1469	-0.1753	-0.2026	-0.2289
Act Res Capital Stock (Bil 92\$)	-0.004279	-0.01068	-0.01981	-0.03182	-0.04597	-0.06174	-0.07874	-0.09669
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	-0.001846	0.06526	0.07175	0.06351	0.06141	0.06075	0.05902	0.05666
Mining	-0.000368	0.006848	0.006458	0.005328	0.004918	0.00479	0.00462	0.004456
Construction	-0.04088	-0.05542	-0.0838	-0.1117	-0.1364	-0.1546	-0.1693	-0.1811
Trans./Public Util.	-0.007046	-0.001673	-0.006697	-0.01347	-0.01891	-0.02332	-0.02747	-0.03128
Fin/Ins/Real Est	-0.01552	0.001354	-0.007618	-0.02282	-0.03372	-0.04266	-0.05114	-0.05899
Retail Trade	-0.07506	-0.09579	-0.156	-0.2263	-0.288	-0.3412	-0.39	-0.4344
Wholesale Trade	-0.008917	0.0009365	-0.004427	-0.01344	-0.02028	-0.02583	-0.03115	-0.03611
Services	-0.09697	0.02429	-0.03619	-0.1375	-0.2165	-0.2831	-0.3488	-0.413
Agri/For/Fish Serv	-0.003879	-0.00109	-0.003756	-0.007529	-0.01059	-0.0132	-0.01575	-0.01816
State and Local	-0.03243	-0.06294	-0.09317	-0.1269	-0.1622	-0.1976	-0.2327	-0.2672
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.0003166	0.001453	0.002796	0.006367	0.01239	0.0202	0.02926	0.03911
Amusem & Recr	-0.003823	0.02039	0.02011	0.01475	0.01177	0.009834	0.007605	0.00532
Eating & Drinking	-0.01932	-0.02696	-0.04347	-0.06269	-0.08018	-0.09602	-0.1112	-0.1258



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
<b>Changes caused by simulation (UNLV upr</b>								
Total Emp (Thous)	-1.544	-1.659	-1.756	-1.843	-1.92	-1.993	-2.043	-2.093
Population (Thous)	-4.15	-4.584	-4.988	-5.364	-5.713	-6.04	-6.344	-6.631
GRP (Bil 92\$)	-0.06263	-0.06819	-0.07275	-0.07689	-0.08063	-0.0841	-0.08675	-0.08939
State & Local Gov Spending (Bil 92\$)	-0.01688	-0.01884	-0.0207	-0.02248	-0.02416	-0.02576	-0.02725	-0.02867
Real Disp Pers Inc (Bil 92\$)	-0.1551	-0.1693	-0.1815	-0.1933	-0.2042	-0.2148	-0.2229	-0.2306
Residential Investment (Bil 92\$)	-0.02011	-0.0206	-0.02069	-0.02068	-0.02056	-0.02041	-0.01984	-0.01932
Opt Res Capital Stock (Bil 92\$)	-0.2537	-0.2759	-0.295	-0.3132	-0.3302	-0.3466	-0.3592	-0.3714
Act Res Capital Stock (Bil 92\$)	-0.1153	-0.134	-0.1526	-0.1708	-0.1887	-0.2061	-0.2227	-0.2384
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.05321	0.05391	0.05493	0.05613	0.05735	0.05911	0.05989	0.0604
Mining	0.004288	0.004343	0.004408	0.004456	0.00448	0.004401	0.004283	0.004136
Construction	-0.1901	-0.1948	-0.1959	-0.196	-0.1951	-0.1941	-0.1898	-0.1862
Trans./Public Util.	-0.03452	-0.0367	-0.03818	-0.03947	-0.04058	-0.04184	-0.04234	-0.04287
Fin/Ins/Real Est	-0.06671	-0.07102	-0.07392	-0.07617	-0.07784	-0.07865	-0.079	-0.07933
Retail Trade	-0.4733	-0.5025	-0.5287	-0.5526	-0.574	-0.594	-0.6059	-0.6169
Wholesale Trade	-0.04066	-0.04364	-0.04575	-0.04753	-0.04899	-0.05042	-0.05112	-0.05184
Services	-0.4744	-0.5143	-0.5484	-0.5787	-0.6063	-0.6335	-0.6543	-0.6756
Agri/For/Fish Serv	-0.02049	-0.02218	-0.02351	-0.02473	-0.02581	-0.0268	-0.02747	-0.02813
State and Local	-0.3009	-0.3323	-0.3615	-0.3887	-0.4136	-0.4368	-0.4576	-0.4769
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.04935	0.05902	0.06818	0.07624	0.08304	0.08847	0.09266	0.09547
Amusem & Recr	0.003286	0.002876	0.003229	0.004007	0.005096	0.006023	0.007515	0.009022
Eating & Drinking	-0.1397	-0.1498	-0.1582	-0.1662	-0.1737	-0.181	-0.186	-0.1908

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Changes caused by simulation (UNLV upc								
Total Emp (Thous)	-2.144	-2.192	-2.238	-2.296	-2.357	-2.424	-2.493	-2.566
Population (Thous)	-6.904	-7.164	-7.414	-7.664	-7.92	-8.181	-8.448	-8.722
GRP (Bil 92\$)	-0.09213	-0.09477	-0.09735	-0.1005	-0.1039	-0.1076	-0.1114	-0.1153
State & Local Gov Spending (Bil 92\$)	-0.03003	-0.03134	-0.0326	-0.03388	-0.03516	-0.03647	-0.0378	-0.03916
Real Disp Pers Inc (Bil 92\$)	-0.2384	-0.2456	-0.2524	-0.2602	-0.2676	-0.2756	-0.2835	-0.2918
Residential Investment (Bil 92\$)	-0.01887	-0.01841	-0.01796	-0.01777	-0.01761	-0.01758	-0.01759	-0.0177
Opt Res Capital Stock (Bil 92\$)	-0.3834	-0.3946	-0.4052	-0.4172	-0.429	-0.4415	-0.4541	-0.4672
Act Res Capital Stock (Bil 92\$)	-0.2535	-0.2679	-0.2816	-0.2949	-0.3078	-0.3205	-0.333	-0.3454
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.06064	0.06067	0.06049	0.06005	0.0594	0.05863	0.05776	0.0575
Mining	0.003947	0.003748	0.00354	0.00332	0.003094	0.002873	0.002655	2.45E-03
Construction	-0.1832	-0.1803	-0.1775	-0.1768	-0.1763	-0.177	-0.1781	-0.1798
Trans./Public Util.	-0.04348	-0.04404	-0.04457	-0.04541	-0.04627	-0.04725	-0.04825	-0.04945
Fin/Ins/Real Est	-0.07975	-0.0801	-0.08039	-0.08138	-0.08256	-0.08415	-0.0859	-0.0874
Retail Trade	-0.6276	-0.6368	-0.6446	-0.6553	-0.6653	-0.6764	-0.6874	-0.6988
Wholesale Trade	-0.05266	-0.05341	-0.05409	-0.0552	-0.0563	-0.05758	-0.05888	-0.06021
Services	-0.698	-0.7204	-0.743	-0.7707	-0.8012	-0.8344	-0.8694	-0.9064
Agri/For/Fish Serv	-0.02881	-0.02944	-0.03003	-0.03082	-0.03161	-0.03252	-0.03344	-0.03438
State and Local	-0.4951	-0.512	-0.528	-0.5438	-0.5598	-0.5761	-0.5925	-0.6096
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.09706	0.09768	0.09742	0.09649	0.09518	0.09357	0.09193	0.09023
Amusem & Recr	0.01052	0.01206	0.01363	0.01484	0.0158	0.01655	0.01715	0.01739
Eating & Drinking	-0.1957	-0.2003	-0.2045	-0.2098	-0.215	-0.2206	-0.2263	-0.2323

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Changes caused by simulation (UNLV upc								
Total Emp (Thous)	-2.653	-2.746	-2.846	-2.951	-3.06	-3.182	-3.308	-3.44
Population (Thous)	-9.01	-9.314	-9.632	-9.968	-10.32	-10.69	-11.07	-11.46
GRP (Bil 92\$)	-0.1201	-0.1253	-0.1309	-0.1367	-0.1428	-0.1498	-0.157	-0.1645
State & Local Gov Spending (Bil 92\$)	-0.04063	-0.04216	-0.04379	-0.0455	-0.0473	-0.04925	-0.05128	-0.05341
Real Disp Pers Inc (Bil 92\$)	-0.3014	-0.3115	-0.3224	-0.3337	-0.3454	-0.3593	-0.3735	-0.3888
Residential Investment (Bil 92\$)	-0.01804	-0.01845	-0.01899	-0.01957	-0.0202	-0.02107	-0.02196	-0.02293
Opt Res Capital Stock (Bil 92\$)	-0.4821	-0.4977	-0.5145	-0.532	-0.5502	-0.5707	-0.5921	-0.6147
Act Res Capital Stock (Bil 92\$)	-0.358	-0.3708	-0.3839	-0.3973	-0.4112	-0.4258	-0.441	-0.4569
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.05655	0.05551	0.05447	0.05344	0.05244	0.05151	0.05063	0.04979
Mining	2.26E-03	2.08E-03	0.001902	0.001744	0.0016	0.001472	0.001356	0.001256
Construction	-0.1833	-0.1873	-0.1921	-0.1973	-0.2027	-0.2098	-0.2167	-0.2242
Trans./Public Util.	-0.05077	-0.05215	-0.05367	-0.05519	-0.05673	-0.05855	-0.06036	-0.06225
Fin/Ins/Real Est	-0.09015	-0.09323	-0.09674	-0.1005	-0.1045	-0.1092	-0.114	-0.1192
Retail Trade	-0.7134	-0.7288	-0.7459	-0.7634	-0.7814	-0.8033	-0.8258	-0.8498
Wholesale Trade	-0.06196	-0.06377	-0.06575	-0.06776	-0.06978	-0.07218	-0.07453	-0.07695
Services	-0.9488	-0.9947	-1.043	-1.094	-1.146	-1.203	-1.262	-1.323
Agri/For/Fish Serv	-0.03559	-0.03688	-0.0383	-0.03978	-0.04133	-0.04313	-0.045	-0.04699
State and Local	-0.6275	-0.6467	-0.667	-0.6885	-0.7115	-0.7359	-0.7617	-0.7887
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.08881	0.08779	0.08728	0.08743	0.08819	0.08966	0.09201	0.09518
Amusem & Recr	0.01742	0.01722	0.01678	0.01616	0.01538	0.01437	0.01326	0.01196
Eating & Drinking	-0.2395	-0.247	-0.2553	-0.2639	-0.2728	-0.2834	-0.2943	-0.306

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2030	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV upc</b>						
Total Emp (Thous)	-3.578	-3.724	-3.879	-4.035	-4.187	-4.332
Population (Thous)	-11.87	-12.29	-12.72	-13.16	-13.6	-14.03
GRP (Bil 92\$)	-0.1725	-0.181	-0.1901	-0.1994	-0.2086	-0.2174
State & Local Gov Spending (Bil 92\$)	-0.05561	-0.05793	-0.06037	-0.06288	-0.06543	-0.06798
Real Disp Pers Inc (Bil 92\$)	-0.4049	-0.4225	-0.4418	-0.4615	-0.4814	-0.5007
Residential Investment (Bil 92\$)	-0.02401	-0.02523	-0.02654	-0.02784	-0.02897	-0.02994
Opt Res Capital Stock (Bil 92\$)	-0.6388	-0.6649	-0.6927	-0.7213	-0.7497	-0.7775
Act Res Capital Stock (Bil 92\$)	-0.4736	-0.4913	-0.5101	-0.5298	-0.5504	-0.5716
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	0.04902	0.04826	0.04755	0.04685	0.04621	0.04563
Mining	0.001166	0.001082	0.00101	0.0009449	0.0008893	0.0008454
Construction	-0.2323	-0.2411	-0.2504	-0.2594	-0.2672	-0.2737
Trans./Public Util.	-0.06424	-0.0664	-0.06869	-0.07097	-0.07314	-0.07509
Fin/Ins/Real Est	-0.1247	-0.1306	-0.137	-0.1435	-0.1499	-0.156
Retail Trade	-0.8756	-0.9038	-0.9344	-0.9658	-0.9957	-1.024
Wholesale Trade	-0.07946	-0.08216	-0.08505	-0.08788	-0.0905	-0.09276
Services	-1.386	-1.451	-1.52	-1.59	-1.658	-1.724
Agri/For/Fish Serv	-0.04911	-0.05142	-0.05391	-0.05646	-0.05898	-0.06139
State and Local	-0.8171	-0.8468	-0.8774	-0.9089	-0.9407	-0.9723
Federal Civilian	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	0.09922	0.104	0.1095	0.1159	0.1231	0.1307
Amusem & Recr	0.01046	0.008699	0.006752	0.004606	0.002506	0.0005417
Eating & Drinking	-0.3186	-0.3324	-0.3474	-0.3629	-0.3783	-0.3932

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment								
Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005
Total Emp (Thous)	367.5881	374.6548	379.2116	385.5321	391.3128	396.015	401.063	406.421
Population (Thous)	550.2677	559.5339	568.042	576.392	584.644	592.711	600.674	608.557
GRP (Bil 92\$)	16.7105	17.258618	17.51601	18.01343	18.35211	18.74201	19.15711	19.58657
State & Local Gov Spending (Bil 92\$)	2.06838	2.143808	2.218196	2.29035	2.363369	2.43234	2.50326	2.57119
Real Disp Pers Inc (Bil 92\$)	11.67412	12.05248	12.2652	12.57966	12.8881	13.1944	13.5102	13.8216
Residential Investment (Bil 92\$)	0.82572	0.83853	0.786702	0.79266	0.77434	0.7605	0.751	0.7478
Opt Res Capital Stock (Bil 92\$)	19.82125	20.47177	20.64019	21.1773	21.5381	21.9057	22.2874	22.6961
Act Res Capital Stock (Bil 92\$)	14.440721	15.00632	15.51319	16.01718	16.49503	16.95326	17.39526	17.82731
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.989154	24.16626	24.00975	23.94951	23.97941	23.94475	23.95802	23.96166
Mining	11.833632	10.941848	9.895458	9.657328	9.298918	9.14979	9.04762	8.969456
Construction	24.87512	25.08458	24.7682	24.6253	24.7466	24.5964	24.4917	24.4729
Trans./Public Util.	17.283954	17.510327	17.627303	17.77953	17.95609	18.06268	18.19953	18.34772
Fin/Ins/Real Est	24.37348	24.797354	25.113382	25.54818	25.83128	26.08134	26.36086	26.65901
Retail Trade	56.06194	57.26521	57.756	58.4247	59.085	59.3688	59.588	59.8096
Wholesale Trade	16.726083	16.960937	17.082573	17.24156	17.52772	17.74517	17.98385	18.23489
Services	137.58603	142.03929	146.22881	150.8705	154.7455	158.2579	161.9392	165.809
Agri/For/Fish Serv	3.906121	3.95491	4.014244	4.071471	4.12941	4.1708	4.22025	4.27184
State and Local	39.47557	40.30106	41.04083	41.7051	42.3678	43.0054	43.6543	44.2788
Federal Civilian	5.125	5.164	5.182	5.177	5.171	5.166	5.161	5.156
Federal Military	2.398	2.569	2.641	2.684	2.728	2.771	2.815	2.858
Farm	3.953	3.901	3.85	3.798	3.746	3.695	3.642	3.591
Hotels	47.589317	48.497453	49.353796	50.353367	51.12439	51.7682	52.48426	53.25611
Amusem & Recr	14.068177	14.68439	15.30811	15.95375	16.49177	17.002834	17.540605	18.10432
Eating & Drinking	15.79968	16.10004	16.40753	16.79031	17.18282	17.49098	17.8108	18.1602
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000)	23.83	26.98	31.34	34.23	36.92	37.63	39.36	36.53
Test results: Rest of NV pop output after siml Level (1000)	574.552	587.392	600.678	612.385	623.813	633.077	643.252	648.778

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + m)								
Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Total Emp (Thous)	412.155	415.14	418.777	422.584	426.465	430.402	433.977	437.251
Population (Thous)	616.349	623.961	631.399	638.896	646.415	653.993	661.607	669.247
GRP (Bil 92\$)	20.06737	20.41081	20.77725	21.15711	21.54037	21.9299	22.30225	22.66061
State & Local Gov Spending (Bil 92\$)	2.64012	2.69916	2.7583	2.81852	2.87784	2.93624	2.99175	3.04533
Real Disp Pers Inc (Bil 92\$)	14.1509	14.4407	14.7365	15.0367	15.3338	15.6412	15.9261	16.1984
Residential Investment (Bil 92\$)	0.75089	0.7474	0.74831	0.74932	0.75244	0.75859	0.76316	0.76668
Opt Res Capital Stock (Bil 92\$)	23.1463	23.5351	23.953	24.3678	24.7908	25.2314	25.6638	26.0846
Act Res Capital Stock (Bil 92\$)	18.2547	18.672	19.0834	19.4892	19.8923	20.2939	20.6943	21.0916
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.99621	24.10191	24.14593	24.20813	24.26735	24.32011	24.34889	24.3584
Mining	9.053288	8.628343	8.212408	7.830456	7.48248	7.143401	6.821283	6.519136
Construction	24.5839	24.4692	24.4151	24.391	24.3979	24.4379	24.4672	24.4868
Trans./Public Util.	18.52548	18.6203	18.69482	18.77553	18.86142	18.94616	19.01966	19.07713
Fin/Ins/Real Est	26.99029	26.96898	26.99808	27.03983	27.08316	27.13035	27.154	27.15767
Retail Trade	59.8537	59.7535	60.2093	60.6654	61.128	61.61	62.0261	62.3711
Wholesale Trade	18.46734	18.58236	18.72725	18.87547	19.02201	19.16258	19.28188	19.38616
Services	169.8566	172.5477	175.2796	178.0693	180.8987	183.7345	186.4527	189.0134
Agri/For/Fish Serv	4.33151	4.39682	4.46649	4.53827	4.61219	4.6872	4.75853	4.82587
State and Local	44.9071	45.4507	45.9805	46.5183	47.0244	47.5282	47.9484	48.3631
Federal Civilian	5.15	5.192	5.231	5.268	5.299	5.328	5.345	5.36
Federal Military	2.901	2.926	2.947	2.969	2.989	3.008	3.023	3.036
Farm	3.539	3.503	3.468	3.434	3.399	3.365	3.332	3.298
Hotels	54.06735	54.72402	55.69318	56.69524	57.71404	58.73347	59.73266	60.69547
Amusem & Recr	18.690286	19.069876	19.391229	19.723007	20.058096	20.397023	20.722515	21.032022
Eating & Drinking	18.4903	18.6912	18.9468	19.2138	19.4923	19.789	20.075	20.3502
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000)	34.29	32.43	33.72	37.79	41.94	46.29	50.55	54.26
Test results: Rest of NV pop output after siml Level (1000)	654.789	660.975	670.107	682.05	694.068	706.323	718.501	730.138

### Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + m								
Rest of Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Total Emp (Thous)	440.237	443.033	445.699	448.302	450.848	453.434	456.004	458.453
Population (Thous)	676.924	684.644	692.423	700.272	708.221	716.281	724.469	732.756
GRP (Bil 92\$)	23.01087	23.35523	23.69465	24.0375	24.3731	24.7164	25.0576	25.3947
State & Local Gov Spending (Bil 92\$)	3.09997	3.15266	3.2054	3.25912	3.30984	3.36153	3.4122	3.46284
Real Disp Pers Inc (Bil 92\$)	16.4696	16.7334	16.9926	17.2568	17.5134	17.7874	18.0635	18.3352
Residential Investment (Bil 92\$)	0.76913	0.76959	0.77204	0.77323	0.77739	0.78442	0.79341	0.8003
Opt Res Capital Stock (Bil 92\$)	26.4886	26.8854	27.2798	27.6708	28.075	28.4935	28.9329	29.3618
Act Res Capital Stock (Bil 92\$)	21.4845	21.8721	22.2554	22.6341	23.0112	23.3885	23.768	24.1486
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.33864	24.30067	24.24349	24.17405	24.0924	24.00263	23.89876	23.7865
Mining	6.210947	5.925748	5.65454	5.40232	5.155094	4.926873	4.699655	4.488452
Construction	24.4808	24.4637	24.4485	24.4372	24.4387	24.462	24.4989	24.5272
Trans./Public Util.	19.11852	19.15196	19.17843	19.19959	19.22073	19.23575	19.25275	19.26255
Fin/Ins/Real Est	27.15325	27.1389	27.11761	27.09962	27.07644	27.05785	27.0401	27.0176
Retail Trade	62.6464	62.8752	63.0704	63.2447	63.4147	63.5936	63.7856	63.9332
Wholesale Trade	19.46834	19.53359	19.58391	19.6258	19.6517	19.67242	19.68212	19.68279
Services	191.462	193.8486	196.17	198.4743	200.7468	203.0046	205.2556	207.4286
Agri/For/Fish Serv	4.89119	4.95356	5.01597	5.07818	5.13939	5.20348	5.26756	5.33062
State and Local	48.7809	49.169	49.56	49.9302	50.3002	50.6849	51.0595	51.4594
Federal Civilian	5.372	5.379	5.385	5.386	5.386	5.386	5.383	5.382
Federal Military	3.049	3.061	3.071	3.082	3.09	3.098	3.105	3.111
Farm	3.265	3.233	3.2	3.168	3.137	3.105	3.074	3.043
Hotels	61.63606	62.56468	63.48142	64.39949	65.30718	66.20957	67.10293	67.98623
Amusem & Recr	21.33552	21.63506	21.92863	22.22584	22.5188	22.81455	23.11015	23.40139
Eating & Drinking	20.6133	20.8687	21.1225	21.3772	21.637	21.9074	22.1887	22.4617
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000)	60.19	65.36	70	74.19	78.01	81.56	84.89	88.04
Test results: Rest of NV pop output after siml Level (1000)	744.018	757.168	769.837	782.126	794.151	806.022	817.807	829.518

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + m								
Rest of Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Total Emp (Thous)	461.084	463.838	466.722	469.708	472.796	476.184	479.837	483.707
Population (Thous)	741.155	749.666	758.257	766.934	775.714	784.604	793.593	802.64
GRP (Bil 92\$)	25.7509	26.1117	26.4851	26.8633	27.2492	27.6652	28.093	28.5375
State & Local Gov Spending (Bil 92\$)	3.51737	3.57184	3.62821	3.6845	3.7417	3.80575	3.87072	3.93659
Real Disp Pers Inc (Bil 92\$)	18.6356	18.9365	19.2496	19.5613	19.8836	20.2407	20.5965	20.9622
Residential Investment (Bil 92\$)	0.80996	0.82055	0.83101	0.84243	0.8548	0.86693	0.87904	0.89207
Opt Res Capital Stock (Bil 92\$)	29.8059	30.2613	30.7205	31.19	31.6718	32.1533	32.6459	33.1443
Act Res Capital Stock (Bil 92\$)	24.532	24.9192	25.3101	25.7057	26.1068	26.5122	26.924	27.3401
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.66955	23.54551	23.43047	23.31744	23.20544	23.09751	22.99563	22.90179
Mining	4.29726	4.108076	3.925902	3.758744	3.5966	3.450472	3.307356	3.182256
Construction	24.5727	24.6247	24.6879	24.7607	24.8473	24.9412	25.0393	25.1588
Trans./Public Util.	19.27523	19.29485	19.32033	19.34981	19.38127	19.42245	19.47564	19.53775
Fin/Ins/Real Est	27.01285	27.01477	27.02626	27.0445	27.0675	27.1188	27.184	27.2608
Retail Trade	64.1136	64.3072	64.5091	64.7216	64.9476	65.1977	65.4752	65.7722
Wholesale Trade	19.68504	19.68023	19.67725	19.67324	19.66922	19.67282	19.67447	19.68105
Services	209.6832	212.0053	214.373	216.792	219.234	221.815	224.556	227.386
Agri/For/Fish Serv	5.39641	5.46512	5.5347	5.60622	5.67967	5.75687	5.838	5.92201
State and Local	51.8675	52.3043	52.769	53.2385	53.7425	54.2971	54.8853	55.5043
Federal Civilian	5.378	5.377	5.378	5.378	5.379	5.383	5.389	5.398
Federal Military	3.119	3.127	3.137	3.145	3.153	3.167	3.179	3.193
Farm	3.013	2.983	2.953	2.924	2.894	2.865	2.837	2.808
Hotels	68.89081	69.81679	70.76828	71.73943	72.72119	73.75466	74.84101	75.97218
Amusem & Recr	23.70642	24.02022	24.34078	24.67016	25.00638	25.36637	25.74326	26.13496
Eating & Drinking	22.7515	23.053	23.3647	23.6861	24.0182	24.3646	24.7287	25.106
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000)	91.02	93.81	96.43	98.88	101.2	103.3	105.2	107.1
Test results: Rest of NV pop output after siml Level (1000)	841.185	852.79	864.319	875.782	887.234	898.594	909.863	921.2



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + m						
Rest of Nevada	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	487.7	491.92	496.444	501.227	506.094	510.942
Population (Thous)	811.721	820.884	830.163	839.553	849.005	858.458
GRP (Bil 92\$)	28.9855	29.452	29.9499	30.4626	30.9864	31.5066
State & Local Gov Spending (Bil 92\$)	4.00239	4.07107	4.14563	4.22112	4.29957	4.37602
Real Disp Pers Inc (Bil 92\$)	21.3291	21.7195	22.1432	22.5645	22.9856	23.3843
Residential Investment (Bil 92\$)	0.90499	0.92077	0.93546	0.95116	0.96303	0.97306
Opt Res Capital Stock (Bil 92\$)	33.6522	34.1831	34.7193	35.2647	35.7953	36.3115
Act Res Capital Stock (Bil 92\$)	27.7624	28.1927	28.6309	29.0762	29.5256	29.9774
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	22.81302	22.72526	22.64655	22.57485	22.51321	22.44963
Mining	3.057166	2.936082	2.82801	2.7239449	2.6218893	2.5338454
Construction	25.2857	25.4379	25.5946	25.7556	25.9158	26.0643
Trans./Public Util.	19.60476	19.6816	19.76631	19.86103	19.96586	20.06991
Fin/Ins/Real Est	27.3423	27.4404	27.561	27.6955	27.8331	27.97
Retail Trade	66.0804	66.4292	66.8056	67.2042	67.5863	67.934
Wholesale Trade	19.68354	19.69584	19.71695	19.74112	19.7655	19.78124
Services	230.283	233.266	236.414	239.72	243.091	246.486
Agri/For/Fish Serv	6.00689	6.09658	6.19109	6.28754	6.38602	6.48161
State and Local	56.1469	56.8192	57.5276	58.2651	59.0143	59.7667
Federal Civilian	5.408	5.418	5.429	5.441	5.453	5.465
Federal Military	3.207	3.221	3.239	3.258	3.277	3.296
Farm	2.78	2.752	2.725	2.698	2.671	2.644
Hotels	77.13222	78.319	79.5675	80.8759	82.2391	83.6377
Amusem & Recr	26.53546	26.950699	27.388752	27.845606	28.312506	28.780542
Eating & Drinking	25.4954	25.9046	26.3326	26.7761	27.2217	27.6608
Population Changes & Levels						
Test results: Rest of NV pop changes after siml Change (1000)	108.8	110.5	112.1	113.7	115.3	116.8
Test results: Rest of NV pop output after siml Level (1000)	932.391	943.674	954.983	966.413	977.905	989.288

**Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.**

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	3.586	4.472	5.5	6.304	7.23	7.862	8.658	8.695
Population (Thous)	23.83	26.98	31.34	34.23	36.92	37.63	39.36	36.53
GRP (Bil 92\$)	0.1678	0.2031	0.2445	0.2761	0.3111	0.3332	0.364	0.3588
State & Local Gov Spending (Bil 92\$)	0.08499	0.0981	0.1162	0.1291	0.1417	0.1467	0.1558	0.1466
Real Disp Pers Inc (Bil 92\$)	1.74E-01	0.1854	0.2165	0.239	0.2658	0.2779	0.3018	2.86E-01
Residential Investment (Bil 92\$)	3.75E-02	3.52E-02	3.72E-02	3.75E-02	3.84E-02	3.61E-02	3.65E-02	2.88E-02
Opt Res Capital Stock (Bil 92\$)	2.96E-01	0.3148	0.3644	0.4024	0.4441	0.4613	0.4979	4.69E-01
Act Res Capital Stock (Bil 92\$)	3.75E-02	7.21E-02	0.1082	0.144	0.1801	0.2132	0.2464	0.2713
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.08188	0.19	0.2517	0.3012	0.3579	0.4077	0.4531	0.4815
Mining	1.64E-02	3.11E-02	3.92E-02	0.04746	0.05556	0.06305	0.06999	0.07424
Construction	0.4749	0.4753	0.5514	0.5813	0.6421	0.6557	0.7003	0.6408
Trans./Public Util.	0.05785	0.08259	0.1105	0.1364	0.1664	0.1913	0.2183	0.2317
Fin/Ins/Real Est	0.2569	0.2925	0.3431	0.3778	0.4191	0.4421	0.4787	0.4671
Retail Trade	0.2518	0.287	0.3703	0.4413	0.5433	0.6248	0.7259	0.7628
Wholesale Trade	0.07475	0.09958	0.1284	0.1529	0.185	0.2121	0.243	0.2583
Services	0.631	1.033	1.395	1.736	2.125	2.468	2.834	3.046
Agri/For/Fish Serv	0.03872	0.04673	0.05674	0.06409	0.07334	0.07961	0.08791	0.08784
State and Local	1.701	1.934	2.253	2.465	2.662	2.717	2.846	2.645
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	9.86E-02	2.16E-01	3.68E-01	5.43E-01	7.27E-01	9.03E-01	1.07E+00	1.21E+00
Amusem & Recr	0.01766	0.05182	0.07217	0.09027	0.1124	0.1339	0.1558	0.1727
Eating & Drinking	1.73E-02	0.01904	0.03284	0.04783	0.07102	0.09357	0.1203	0.1391
<b>Changes in Migrants</b>								
Total Migrants	2.36E+01	2.577	3.703	2.16	1.899	-0.1009	0.8928	-3.638

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV upc								
Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	8.757	8.77	9.18	9.968	10.76	11.62	12.49	13.32
Population (Thous)	34.29	32.43	33.72	37.79	41.94	46.29	50.55	54.26
GRP (Bil 92\$)	0.3567	0.3544	0.3729	0.4106	0.4481	0.4889	0.5296	0.5683
State & Local Gov Spending (Bil 92\$)	0.1395	0.1333	0.14	0.1584	0.1774	0.1975	0.2171	0.2346
Real Disp Pers Inc (Bil 92\$)	0.2759	0.2678	0.2851	0.3256	0.3662	0.4103	0.4526	0.4914
Residential Investment (Bil 92\$)	2.34E-02	1.91E-02	0.02074	0.02689	0.03234	0.03784	0.04241	0.04578
Opt Res Capital Stock (Bil 92\$)	0.4513	0.4364	0.4635	0.5276	0.5921	0.6618	0.7294	0.7913
Act Res Capital Stock (Bil 92\$)	0.2903	0.3048	3.21E-01	3.43E-01	0.3695	0.4014	0.4374	0.4763
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.4994	0.5129	0.5239	0.538	0.554	0.5745	0.5973	0.623
Mining	0.07813	0.07701	0.07558	0.07471	0.07422	0.07404	0.07419	0.07465
Construction	0.6046	0.5722	0.6055	0.6898	0.7649	0.8417	0.9105	0.9673
Trans./Public Util.	0.2434	0.2509	0.262	0.2781	0.2944	0.3125	0.3315	0.3512
Fin/Ins/Real Est	0.4635	0.4582	0.4819	0.5286	0.5723	0.6183	0.6612	0.6999
Retail Trade	0.7962	0.8235	0.8784	0.9544	1.027	1.107	1.184	1.263
Wholesale Trade	0.2728	0.2853	0.3024	0.3236	0.343	0.3637	0.3844	0.4056
Services	3.224	3.35	3.513	3.739	3.983	4.261	4.567	4.895
Agri/For/Fish Serv	0.08859	0.08916	0.09413	0.1032	0.1122	0.1221	0.1317	0.1411
State and Local	2.487	2.351	2.444	2.738	3.036	3.348	3.645	3.902
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	1.33E+00	1.40E+00	1.47E+00	1.54E+00	1.61E+00	1.70E+00	1.81E+00	1.94E+00
Amusem & Recr	0.1875	0.1987	0.2088	0.2205	0.2333	0.248	0.2632	0.2801
Eating & Drinking	0.1565	0.1718	0.1868	0.203	0.219	0.2376	2.57E-01	2.78E-01
Changes in Migrants								
Total Migrants	-2.974	-2.543	0.626	3.349	3.333	3.432	3.22E+00	2.56E+00

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV upc								
Rest of Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	14.56	15.72	16.85	17.95	19	20.03	20.99	21.89
Population (Thous)	60.19	65.36	70	74.19	78.01	81.56	84.89	88.04
GRP (Bil 92\$)	0.6274	0.6822	0.7351	0.787	0.836	0.8842	0.9295	0.9725
State & Local Gov Spending (Bil 92\$)	0.2618	0.2859	0.3078	0.328	0.3463	0.3636	0.3798	0.3953
Real Disp Pers Inc (Bil 92\$)	0.553	0.6077	0.6591	0.7088	0.7541	0.7994	0.8417	0.882
Residential Investment (Bil 92\$)	0.05339	0.05869	0.06278	0.06603	0.06821	0.07015	0.07145	0.07225
Opt Res Capital Stock (Bil 92\$)	0.8895	0.9764	1.058	1.137	1.209	1.281	1.348	1.412
Act Res Capital Stock (Bil 92\$)	0.5221	0.5725	0.6261	0.6822	0.7395	0.7979	0.8567	0.9153
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.6565	0.693	0.7311	0.77	0.8076	0.8434	0.8758	0.9053
Mining	0.07572	7.70E-02	7.83E-02	7.96E-02	8.05E-02	8.12E-02	8.14E-02	8.12E-02
Construction	1.074	1.159	1.232	1.298	1.354	1.407	1.453	1.494
Trans./Public Util.	0.3783	0.4054	0.4332	0.4614	0.4888	0.5159	0.5415	0.5653
Fin/Ins/Real Est	0.7621	0.8156	0.8653	0.9126	0.9558	0.9978	1.037	1.073
Retail Trade	1.376	1.487	1.601	1.719	1.832	1.949	2.06	2.164
Wholesale Trade	0.4353	0.4648	0.4954	0.5272	0.5583	0.59	0.6202	0.6488
Services	5.33	5.78	6.245	6.728	7.204	7.68	8.134	8.564
Agri/For/Fish Serv	0.1552	0.1683	0.1812	0.194	0.2061	0.2182	0.2296	0.2405
State and Local	4.317	4.671	4.986	5.264	5.514	5.743	5.954	6.153
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	2.09E+00	2.27E+00	2.46E+00	2.67E+00	2.88E+00	3.10E+00	3.31E+00	3.516
Amusem & Recr	0.3014	0.3239	0.3475	0.3723	0.3962	0.4206	0.4436	0.4651
Eating & Drinking	3.07E-01	3.37E-01	3.70E-01	4.07E-01	0.443	0.482	0.52	0.5573
Changes in Migrants								
Total Migrants	4.64E+00	3.72E+00	3.05E+00	2.49E+00	2.015	1.67	1.393	1.157

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEV								
CHANGES								
Changes caused by simulation (UNLV upc								
Rest of Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	22.75	23.55	24.33	25.05	25.72	26.39	27.03	27.71
Population (Thous)	91.02	93.81	96.43	98.88	101.2	103.3	105.2	107.1
GRP (Bil 92\$)	1.014	1.053	1.091	1.126	1.158	1.192	1.224	1.258
State & Local Gov Spending (Bil 92\$)	0.4104	0.4246	0.4384	0.4514	0.4636	0.476	0.4877	0.4991
Real Disp Pers Inc (Bil 92\$)	0.922	0.959	0.9972	1.033	1.066	1.101	1.135	1.174
Residential Investment (Bil 92\$)	0.07282	0.0729	0.07321	0.07308	0.07259	0.07237	0.07199	0.07282
Opt Res Capital Stock (Bil 92\$)	1.475	1.533	1.591	1.646	1.697	1.749	1.799	1.856
Act Res Capital Stock (Bil 92\$)	0.9736	1.031	1.088	1.144	1.198	1.251	1.303	1.356
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.9306	0.9521	0.9711	0.9874	1.001	1.01E+00	1.02E+00	1.03E+00
Mining	8.10E-02	8.02E-02	7.92E-02	7.81E-02	7.68E-02	7.55E-02	7.40E-02	7.27E-02
Construction	1.53	1.56	1.589	1.61E+00	1.631	1.65	1.666	1.689
Trans./Public Util.	0.5879	0.6089	0.629	0.6476	0.6646	0.6814	6.97E-01	7.14E-01
Fin/Ins/Real Est	1.108	1.14	1.172	1.201	1.23E+00	1.26E+00	1.284	1.314
Retail Trade	2.265	2.356	2.45	2.54E+00	2.612	2.691	2.767	2.859
Wholesale Trade	0.676	0.7009	0.7248	0.7463	0.7658	0.785	0.8025	0.821
Services	8.981	9.377	9.765	10.13	10.48	10.82	11.17	11.53
Agri/For/Fish Serv	0.251	0.2608	0.2706	0.2797	0.2882	0.2969	0.3052	0.3146
State and Local	6.338	6.513	6.678	6.831	6.974	7.112	7.243	7.37
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	3.714	3.903	4.085	4.259	4.426	4.59	4.751	4.909
Amusem & Recr	0.4861	0.5057	0.5256	0.5443	0.5618	0.5802	0.5982	0.6191
Eating & Drinking	0.5943	0.6296	0.6665	0.7015	0.7349	0.7703	0.8051	0.8464
Changes in Migrants								
Total Migrants	0.9474	0.7351	0.5407	0.3357	0.1279	-0.04792	-0.2398	-0.3922

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEV						
CHANGES						
Changes caused by simulation (UNLV upc						
Rest of Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	28.37	29.02	29.69	30.34	31.03	31.68
Population (Thous)	108.8	110.5	112.1	113.7	115.3	116.8
GRP (Bil 92\$)	1.291	1.324	1.359	1.393	1.429	1.464
State & Local Gov Spending (Bil 92\$)	0.5099	0.5207	0.532	0.5433	0.5546	0.5658
Real Disp Pers Inc (Bil 92\$)	1.214	1.255	1.3	1.345	1.395	1.445
Residential Investment (Bil 92\$)	0.07375	0.07484	0.07627	0.07777	0.08001	0.08212
Opt Res Capital Stock (Bil 92\$)	1.915	1.975	2.038	2.102	2.173	2.243
Act Res Capital Stock (Bil 92\$)	1.408	1.46	1.513	1.567	1.622	1.678
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	1.04E+00	1.05E+00	1.051	1.055	1.058	1.059
Mining	0.07122	0.06962	0.06815	0.06659	0.06495	0.0635
Construction	1.711	1.733	1.758	1.78	1.808	1.832
Trans./Public Util.	0.7302	0.7459	0.7616	0.7768	0.7925	0.8072
Fin/Ins/Real Est	1.343	1.372	1.403	1.434	1.467	1.498
Retail Trade	2.95	3.042	3.138	3.235	3.341	3.444
Wholesale Trade	0.8382	0.855	0.8718	0.8876	9.04E-01	9.18E-01
Services	11.87	12.21	12.56	12.9	13.25	13.59
Agri/For/Fish Serv	0.3238	0.3331	0.3428	0.3526	0.363	0.3731
State and Local	7.492	7.612	7.732	7.853	7.974	8.092
Federal Civilian	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	5.063	5.212	5.358	5.502	5.642	5.777
Amusem & Recr	0.6402	0.6613	0.6832	0.7051	0.7289	0.7521
Eating & Drinking	0.8888	0.9324	0.9786	1.026	1.078	1.129
Changes in Migrants						
Total Migrants	-0.5353	-0.6682	-0.7613	-0.8581	-0.9448	-1.03



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Constant Dollars								
Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	371.457	379.245	385.025	392.427	399.363	404.893	410.924	416.495
Population (Thous)	574.552	587.392	600.678	612.385	623.813	633.077	643.252	648.778
GRP (Bil 92\$)	16.8898	17.4651	17.7715	18.3121	18.6951	19.1152	19.569	20.0008
State & Local Gov Spending (Bil 92\$)	2.15499	2.2451	2.3392	2.4261	2.5137	2.5897	2.6718	2.7326
Real Disp Pers Inc (Bil 92\$)	11.8682	12.2704	12.5315	12.888	13.2418	13.5779	13.9348	14.2468
Residential Investment (Bil 92\$)	0.86749	0.88024	0.83322	0.84254	0.82737	0.81305	0.80554	0.79578
Opt Res Capital Stock (Bil 92\$)	20.1507	20.8418	21.0884	21.6964	22.1291	22.5423	22.9879	23.3943
Act Res Capital Stock (Bil 92\$)	14.48249	15.08914	15.6412	16.193	16.7211	17.2282	17.7204	18.1953
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.07288	24.291	24.1897	24.1872	24.2759	24.2917	24.3521	24.3865
Mining	11.85043	10.96606	9.92819	9.69946	9.34956	9.20805	9.11299	9.03924
Construction	25.3909	25.6153	25.4034	25.3183	25.5251	25.4067	25.3613	25.2948
Trans./Public Util.	17.34885	17.59459	17.7445	17.9294	18.1414	18.2773	18.4453	18.6107
Fin/Ins/Real Est	24.6459	25.0885	25.4641	25.9488	26.2841	26.5661	26.8907	27.1851
Retail Trade	56.3888	57.648	58.2823	59.0923	59.9163	60.3348	60.7039	61.0068
Wholesale Trade	16.80975	17.05958	17.2154	17.4079	17.733	17.9831	18.258	18.5293
Services	138.314	143.048	147.66	152.744	157.087	161.009	165.122	169.268
Agri/For/Fish Serv	3.94872	4.00273	4.07474	4.14309	4.21334	4.26361	4.32391	4.37784
State and Local	41.209	42.298	43.387	44.297	45.192	45.92	46.733	47.191
Federal Civilian	5.125	5.164	5.182	5.177	5.171	5.166	5.161	5.156
Federal Military	2.398	2.569	2.641	2.684	2.728	2.771	2.815	2.858
Farm	3.953	3.901	3.85	3.798	3.746	3.695	3.642	3.591
Hotels	47.68764	48.7117	49.7193	50.8895	51.8387	52.651	53.528	54.431
Amusem & Recr	14.08966	14.71582	15.36017	16.02927	16.5924	17.1269	17.6888	18.2717
Eating & Drinking	15.83634	16.14604	16.48384	16.90083	17.33402	17.68057	18.0423	18.4251
<b>Migrants</b>								
Total Migrants	29.734	7.933	8.477	6.873	6.511	4.302	5.145	0.481

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Con:								
Levels caused by simulation (UNLV updat								
Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	422.456	425.569	429.713	434.395	439.145	444.015	448.51	452.664
Population (Thous)	654.789	660.975	670.107	682.05	694.068	706.323	718.501	730.138
GRP (Bil 92\$)	20.4867	20.8334	21.2229	21.6446	22.0691	22.5029	22.9186	23.3183
State & Local Gov Spending (Bil 92\$)	2.7965	2.8513	2.919	2.9994	3.0794	3.1595	3.2361	3.3086
Real Disp Pers Inc (Bil 92\$)	14.5819	14.8778	15.2031	15.5556	15.9042	16.2663	16.6016	16.9204
Residential Investment (Bil 92\$)	0.79439	0.78712	0.78974	0.79689	0.80534	0.81684	0.82541	0.83178
Opt Res Capital Stock (Bil 92\$)	23.8513	24.2474	24.7115	25.2086	25.7131	26.2398	26.7524	27.2473
Act Res Capital Stock (Bil 92\$)	18.6603	19.1108	19.5567	20.0025	20.4505	20.9014	21.3544	21.8063
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.4424	24.5609	24.6149	24.69	24.764	24.8355	24.8863	24.921
Mining	9.12713	8.70101	8.28358	7.90071	7.55222	7.21304	6.89119	6.58965
Construction	25.3786	25.2362	25.2165	25.2768	25.3579	25.4737	25.5675	25.6403
Trans./Public Util.	18.8034	18.9079	18.995	19.0931	19.1964	19.3005	19.3935	19.4712
Fin/Ins/Real Est	27.5205	27.4982	27.5539	27.6446	27.7333	27.8273	27.8942	27.9369
Retail Trade	61.1232	61.0795	61.6164	62.1724	62.729	63.311	63.816	64.251
Wholesale Trade	18.7808	18.9113	19.0754	19.2466	19.414	19.5767	19.7174	19.8436
Services	173.555	176.412	179.341	182.387	185.488	188.629	191.674	194.584
Agri/For/Fish Serv	4.44059	4.50816	4.58413	4.6662	4.7502	4.8361	4.9177	4.9951
State and Local	47.695	48.134	48.786	49.645	50.474	51.313	52.051	52.742
Federal Civilian	5.15	5.192	5.231	5.268	5.299	5.328	5.345	5.36
Federal Military	2.901	2.926	2.947	2.969	2.989	3.008	3.023	3.036
Farm	3.539	3.503	3.468	3.434	3.399	3.365	3.332	3.298
Hotels	55.345	56.068	57.096	58.158	59.244	60.347	61.45	62.535
Amusem & Recr	18.8745	19.2657	19.5968	19.9395	20.2863	20.639	20.9782	21.3031
Eating & Drinking	18.7865	19.0128	19.2918	19.583	19.885	20.2076	20.5177	20.8191
<b>Migrants</b>								
Total Migrants	0.991	1.199	4.125	6.834	6.774	6.858	6.593	5.872



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Con:</b>								
<b>Levels caused by simulation (UNLV updat</b>								
<b>Rest of Nevada</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Employment (Thous)	456.941	460.945	464.787	468.548	472.205	475.888	479.487	482.909
Population (Thous)	744.018	757.168	769.837	782.126	794.151	806.022	817.807	829.518
GRP (Bil 92\$)	23.7304	24.1322	24.5271	24.925	25.313	25.7082	26.0985	26.4825
State & Local Gov Spending (Bil 92\$)	3.3918	3.4699	3.5458	3.621	3.6913	3.7616	3.8298	3.8973
Real Disp Pers Inc (Bil 92\$)	17.261	17.5867	17.9041	18.2258	18.5351	18.8624	19.1887	19.509
Residential Investment (Bil 92\$)	0.84139	0.84669	0.85278	0.85703	0.86321	0.87215	0.88245	0.89025
Opt Res Capital Stock (Bil 92\$)	27.7615	28.2564	28.743	29.225	29.713	30.216	30.735	31.241
Act Res Capital Stock (Bil 92\$)	22.2601	22.7125	23.1631	23.6112	24.0585	24.5069	24.9577	25.4093
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.9345	24.933	24.9141	24.884	24.8406	24.7874	24.7168	24.6343
Mining	6.28272	5.99902	5.72932	5.4786	5.23251	5.0052	4.77836	4.56723
Construction	25.738	25.803	25.858	25.912	25.969	26.046	26.13	26.201
Trans./Public Util.	19.5403	19.6014	19.6562	19.7064	19.7558	19.7989	19.8425	19.8773
Fin/Ins/Real Est	27.9951	28.0346	28.0633	28.0936	28.1148	28.1398	28.163	28.178
Retail Trade	64.65	64.999	65.316	65.619	65.912	66.219	66.533	66.796
Wholesale Trade	19.9563	20.0518	20.1334	20.2082	20.2663	20.32	20.3612	20.3918
Services	197.49	200.349	203.158	205.973	208.752	211.519	214.259	216.899
Agri/For/Fish Serv	5.0752	5.1513	5.2272	5.303	5.3771	5.4542	5.5306	5.6055
State and Local	53.593	54.352	55.074	55.738	56.374	57.004	57.606	58.222
Federal Civilian	5.372	5.379	5.385	5.386	5.386	5.386	5.383	5.382
Federal Military	3.049	3.061	3.071	3.082	3.09	3.098	3.105	3.111
Farm	3.265	3.233	3.2	3.168	3.137	3.105	3.074	3.043
Hotels	63.628	64.732	65.844	66.971	68.095	69.215	70.323	71.412
Amusem & Recr	21.6264	21.9469	22.2625	22.5833	22.8992	23.2186	23.5366	23.8491
Eating & Drinking	21.1155	21.4059	21.6972	21.9936	22.295	22.61	22.935	23.2513
<b>Migrants</b>								
Total Migrants	7.882	6.903	6.177	5.573	5.099	4.763	4.526	4.302

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Con:</b>								
<b>Levels caused by simulation (UNLV updat</b>								
<b>Rest of Nevada</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Employment (Thous)	486.487	490.134	493.898	497.709	501.576	505.756	510.175	514.857
Population (Thous)	841.185	852.79	864.319	875.782	887.234	898.594	909.863	921.2
GRP (Bil 92\$)	26.885	27.29	27.707	28.126	28.55	29.007	29.474	29.96
State & Local Gov Spending (Bil 92\$)	3.9684	4.0386	4.1104	4.1814	4.2526	4.331	4.4097	4.4891
Real Disp Pers Inc (Bil 92\$)	19.859	20.207	20.5692	20.928	21.295	21.701	22.105	22.525
Residential Investment (Bil 92\$)	0.90082	0.9119	0.92321	0.93508	0.94759	0.96037	0.97299	0.98782
Opt Res Capital Stock (Bil 92\$)	31.763	32.292	32.826	33.368	33.919	34.473	35.037	35.615
Act Res Capital Stock (Bil 92\$)	25.8636	26.321	26.782	27.247	27.716	28.189	28.668	29.153
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	24.5436	24.4421	24.3471	24.2514	24.154	24.059	23.968	23.884
Mining	4.37595	4.18622	4.0032	3.83508	3.67175	3.52447	3.37999	3.25371
Construction	26.286	26.372	26.469	26.57	26.681	26.801	26.922	27.072
Trans./Public Util.	19.9139	19.9559	20.003	20.0526	20.1026	20.1624	20.2333	20.3141
Fin/Ins/Real Est	28.211	28.248	28.295	28.346	28.401	28.485	28.582	28.694
Retail Trade	67.092	67.392	67.705	68.02	68.341	68.692	69.068	69.481
Wholesale Trade	20.423	20.4449	20.4678	20.4873	20.5048	20.53	20.5515	20.579
Services	219.613	222.377	225.181	228.016	230.86	233.838	236.988	240.239
Agri/For/Fish Serv	5.683	5.7628	5.8436	5.9257	6.0092	6.0969	6.1882	6.2836
State and Local	58.833	59.464	60.114	60.758	61.428	62.145	62.89	63.663
Federal Civilian	5.378	5.377	5.378	5.378	5.379	5.383	5.389	5.398
Federal Military	3.119	3.127	3.137	3.145	3.153	3.167	3.179	3.193
Farm	3.013	2.983	2.953	2.924	2.894	2.865	2.837	2.808
Hotels	72.516	73.632	74.766	75.911	77.059	78.255	79.5	80.786
Amusem & Recr	24.1751	24.5087	24.8496	25.1983	25.5528	25.9322	26.3282	26.7421
Eating & Drinking	23.5853	23.9296	24.2865	24.6515	25.0259	25.4183	25.8281	26.2584
<b>Migrants</b>								
Total Migrants	4.122	3.947	3.759	3.573	3.405	3.271	3.110	2.943

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Con:						
Levels caused by simulation (UNLV updat						
Rest of Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	519.648	524.664	530.013	535.602	541.311	546.954
Population (Thous)	932.391	943.674	954.983	966.413	977.905	989.288
GRP (Bil 92\$)	30.449	30.957	31.499	32.055	32.624	33.188
State & Local Gov Spending (Bil 92\$)	4.5679	4.6497	4.738	4.8273	4.9196	5.0098
Real Disp Pers Inc (Bil 92\$)	22.948	23.397	23.885	24.371	24.862	25.33
Residential Investment (Bil 92\$)	1.00275	1.02084	1.03827	1.05677	1.07201	1.08512
Opt Res Capital Stock (Bil 92\$)	36.206	36.823	37.45	38.088	38.718	39.332
Act Res Capital Stock (Bil 92\$)	29.644	30.144	30.654	31.173	31.698	32.227
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	23.804	23.723	23.65	23.583	23.525	23.463
Mining	3.12722	3.00462	2.89515	2.78959	2.68595	2.5965
Construction	27.229	27.412	27.603	27.795	27.991	28.17
Trans./Public Util.	20.3992	20.4939	20.5966	20.7088	20.8315	20.9522
Fin/Ins/Real Est	28.81	28.943	29.101	29.273	29.45	29.624
Retail Trade	69.906	70.375	70.878	71.405	71.923	72.402
Wholesale Trade	20.6012	20.633	20.6738	20.7166	20.7598	20.7924
Services	243.539	246.927	250.494	254.21	257.999	261.8
Agri/For/Fish Serv	6.3798	6.4811	6.5878	6.6966	6.808	6.9161
State and Local	64.456	65.278	66.137	67.027	67.929	68.831
Federal Civilian	5.408	5.418	5.429	5.441	5.453	5.465
Federal Military	3.207	3.221	3.239	3.258	3.277	3.296
Farm	2.78	2.752	2.725	2.698	2.671	2.644
Hotels	82.096	83.427	84.816	86.262	87.758	89.284
Amusem & Recr	27.1652	27.6033	28.0652	28.5461	29.0389	29.5321
Eating & Drinking	26.7028	27.1694	27.6586	28.165	28.678	29.183
<b>Migrants</b>						
Total Migrants	2.769	2.632	2.550	2.458	2.301	2.073

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands								
BASELINE LEVELS								
Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	371.457	379.245	385.025	392.427	399.363	404.893	410.924	416.495
Population (Thous)	574.552	587.392	600.678	612.385	623.813	633.077	643.252	648.778
GRP (Bil 2000\$)	19.673695	20.34382	20.700723	21.330428	21.776557	22.265901	22.794499	23.297472
State & Local Gov Spending (Bil 2000\$)	2.5101905	2.6151531	2.7247633	2.8259867	2.9280256	3.0165524	3.1121847	3.1830062
Real Disp Pers Inc (Bil 2000\$)	13.8244	14.292893	14.597029	15.01229	15.424406	15.815904	16.231631	16.595057
Residential Investment (Bil 2000\$)	1.0104758	1.0253273	0.9705571	0.9814133	0.9637429	0.9470626	0.9383147	0.926946
Opt Res Capital Stock (Bil 2000\$)	23.472079	24.277091	24.564337	25.272552	25.776573	26.257879	26.776926	27.250312
Act Res Capital Stock (Bil 2000\$)	16.869595	17.576237	18.219292	18.862043	19.477188	20.067872	20.6412	21.194376
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	24.07288	24.291	24.1897	24.1872	24.2759	24.2917	24.3521	24.3865
Mining	11.85043	10.96606	9.92819	9.69946	9.34956	9.20805	9.11299	9.03924
Construction	25.3909	25.6153	25.4034	25.3183	25.5251	25.4067	25.3613	25.2948
Trans./Public Util.	17.34885	17.59459	17.7445	17.9294	18.1414	18.2773	18.4453	18.6107
Fin/Ins/Real Est	24.6459	25.0885	25.4641	25.9488	26.2841	26.5661	26.8907	27.1851
Retail Trade	56.3888	57.648	58.2823	59.0923	59.9163	60.3348	60.7039	61.0068
Wholesale Trade	16.80975	17.05958	17.2154	17.4079	17.733	17.9831	18.258	18.5293
Services	138.314	143.048	147.66	152.744	157.087	161.009	165.122	169.268
Agri/For/Fish Serv	3.94872	4.00273	4.07474	4.14309	4.21334	4.26361	4.32391	4.37784
State and Local	41.209	42.298	43.387	44.297	45.192	45.92	46.733	47.191
Federal Civilian	5.125	5.164	5.182	5.177	5.171	5.166	5.161	5.156
Federal Military	2.398	2.569	2.641	2.684	2.728	2.771	2.815	2.858
Farm	3.953	3.901	3.85	3.798	3.746	3.695	3.642	3.591
Hotels	47.68764	48.7117	49.7193	50.8895	51.8387	52.651	53.528	54.431
Amusem & Recr	14.08966	14.71582	15.36017	16.02927	16.5924	17.1269	17.6888	18.2717
Eating & Drinking	15.83634	16.14604	16.48384	16.90083	17.33402	17.68057	18.0423	18.4251
<b>Migrants</b>								
Total Migrants	29.734	7.933	8.477	6.873	6.511	4.3021	5.1448	0.481

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Con								
BASELINE LEVELS								
Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	422.456	425.569	429.713	434.395	439.145	444.015	448.51	452.664
Population (Thous)	654.789	660.975	670.107	682.05	694.068	706.323	718.501	730.138
GRP (Bil 2000\$)	23.863461	24.267306	24.721007	25.212214	25.706683	26.211985	26.696204	27.161785
State & Local Gov Spending (Bil 2000\$)	3.2574387	3.3212712	3.40013	3.4937821	3.5869682	3.6802709	3.7694966	3.8539466
Real Disp Pers Inc (Bil 2000\$)	16.985391	17.330063	17.708981	18.119583	18.525641	18.947425	19.337992	19.709338
Residential Investment (Bil 2000\$)	0.9253269	0.9168586	0.9199105	0.928239	0.9380818	0.9514773	0.9614598	0.9688798
Opt Res Capital Stock (Bil 2000\$)	27.782638	28.244026	28.784622	29.363657	29.951313	30.564827	31.161917	31.73839
Act Res Capital Stock (Bil 2000\$)	21.736021	22.260775	22.780172	23.299452	23.821294	24.346515	24.874181	25.400567
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	24.4424	24.5609	24.6149	24.69	24.764	24.8355	24.8863	24.921
Mining	9.12713	8.70101	8.28358	7.90071	7.55222	7.21304	6.89119	6.58965
Construction	25.3786	25.2362	25.2165	25.2768	25.3579	25.4737	25.5675	25.6403
Trans./Public Util.	18.8034	18.9079	18.995	19.0931	19.1964	19.3005	19.3935	19.4712
Fin/Ins/Real Est	27.5205	27.4982	27.5539	27.6446	27.7333	27.8273	27.8942	27.9369
Retail Trade	61.1232	61.0795	61.6164	62.1724	62.729	63.311	63.816	64.251
Wholesale Trade	18.7808	18.9113	19.0754	19.2466	19.414	19.5767	19.7174	19.8436
Services	173.555	176.412	179.341	182.387	185.488	188.629	191.674	194.584
Agri/For/Fish Serv	4.44059	4.50816	4.58413	4.6662	4.7502	4.8361	4.9177	4.9951
State and Local	47.695	48.134	48.786	49.645	50.474	51.313	52.051	52.742
Federal Civilian	5.15	5.192	5.231	5.268	5.299	5.328	5.345	5.36
Federal Military	2.901	2.926	2.947	2.969	2.989	3.008	3.023	3.036
Farm	3.539	3.503	3.468	3.434	3.399	3.365	3.332	3.298
Hotels	55.345	56.068	57.096	58.158	59.244	60.347	61.45	62.535
Amusem & Recr	18.8745	19.2657	19.5968	19.9395	20.2863	20.639	20.9782	21.3031
Eating & Drinking	18.7865	19.0128	19.2918	19.583	19.885	20.2076	20.5177	20.8191
<b>Migrants</b>								
Total Migrants	0.991	1.199	4.125	6.834	6.774	6.858	6.593	5.872

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Con:								
BASELINE LEVELS								
Rest of Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	456.941	460.945	464.787	468.548	472.205	475.888	479.487	482.909
Population (Thous)	744.018	757.168	769.837	782.126	794.151	806.022	817.807	829.518
GRP (Bil 2000\$)	27.64181	28.109838	28.569828	29.033313	29.485265	29.945605	30.400237	30.847531
State & Local Gov Spending (Bil 2000\$)	3.9508602	4.0418331	4.1302435	4.2178385	4.2997258	4.3816132	4.4610544	4.5396802
Real Disp Pers Inc (Bil 2000\$)	20.106079	20.485463	20.855179	21.229904	21.590185	21.971432	22.351516	22.72461
Residential Investment (Bil 2000\$)	0.9800738	0.9862474	0.9933412	0.9982917	1.0054903	1.0159039	1.0279016	1.0369872
Opt Res Capital Stock (Bil 2000\$)	32.337344	32.913817	33.480622	34.042069	34.610504	35.196412	35.800957	36.39036
Act Res Capital Stock (Bil 2000\$)	25.929165	26.456133	26.981004	27.502963	28.02399	28.546298	29.071402	29.597438
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	24.9345	24.933	24.9141	24.884	24.8406	24.7874	24.7168	24.6343
Mining	6.28272	5.99902	5.72932	5.4786	5.23251	5.0052	4.77836	4.56723
Construction	25.738	25.803	25.858	25.912	25.969	26.046	26.13	26.201
Trans./Public Util.	19.5403	19.6014	19.6562	19.7064	19.7558	19.7989	19.8425	19.8773
Fin/Ins/Real Est	27.9951	28.0346	28.0633	28.0936	28.1148	28.1398	28.163	28.178
Retail Trade	64.65	64.999	65.316	65.619	65.912	66.219	66.533	66.796
Wholesale Trade	19.9563	20.0518	20.1334	20.2082	20.2663	20.32	20.3612	20.3918
Services	197.49	200.349	203.158	205.973	208.752	211.519	214.259	216.899
Agri/For/Fish Serv	5.0752	5.1513	5.2272	5.303	5.3771	5.4542	5.5306	5.6055
State and Local	53.593	54.352	55.074	55.738	56.374	57.004	57.606	58.222
Federal Civilian	5.372	5.379	5.385	5.386	5.386	5.386	5.383	5.382
Federal Military	3.049	3.061	3.071	3.082	3.09	3.098	3.105	3.111
Farm	3.265	3.233	3.2	3.168	3.137	3.105	3.074	3.043
Hotels	63.628	64.732	65.844	66.971	68.095	69.215	70.323	71.412
Amusem & Recr	21.6264	21.9469	22.2625	22.5833	22.8992	23.2186	23.5366	23.8491
Eating & Drinking	21.1155	21.4059	21.6972	21.9936	22.295	22.61	22.935	23.2513
<b>Migrants</b>								
Total Migrants	7.882	6.903	6.177	5.573	5.099	4.763	4.526	4.302

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Con:								
BASELINE LEVELS								
Rest of Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	486.487	490.134	493.898	497.709	501.576	505.756	510.175	514.857
Population (Thous)	841.185	852.79	864.319	875.782	887.234	898.594	909.863	921.2
GRP (Bil 2000\$)	31.316373	31.788128	32.273861	32.761924	33.25581	33.788136	34.33211	34.898216
State & Local Gov Spending (Bil 2000\$)	4.6224994	4.7042703	4.7879048	4.8706075	4.9535432	5.0448657	5.1365375	5.2290248
Real Disp Pers Inc (Bil 2000\$)	23.132299	23.537659	23.959559	24.377499	24.804991	25.27791	25.7485	26.237728
Residential Investment (Bil 2000\$)	1.0492994	1.0622057	1.0753799	1.0892064	1.1037784	1.1186649	1.133365	1.1506394
Opt Res Capital Stock (Bil 2000\$)	36.998399	37.614593	38.236611	38.867947	39.509766	40.155081	40.812043	41.485313
Act Res Capital Stock (Bil 2000\$)	30.126619	30.659411	31.196396	31.738041	32.284345	32.835308	33.39326	33.958201
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	24.5436	24.4421	24.3471	24.2514	24.154	24.059	23.968	23.884
Mining	4.37595	4.18622	4.0032	3.83508	3.67175	3.52447	3.37999	3.25371
Construction	26.286	26.372	26.469	26.57	26.681	26.801	26.922	27.072
Trans./Public Util.	19.9139	19.9559	20.003	20.0526	20.1026	20.1624	20.2333	20.3141
Fin/Ins/Real Est	28.211	28.248	28.295	28.346	28.401	28.485	28.582	28.694
Retail Trade	67.092	67.392	67.705	68.02	68.341	68.692	69.068	69.481
Wholesale Trade	20.423	20.4449	20.4678	20.4873	20.5048	20.53	20.5515	20.579
Services	219.613	222.377	225.181	228.016	230.86	233.838	236.988	240.239
Agri/For/Fish Serv	5.683	5.7628	5.8436	5.9257	6.0092	6.0969	6.1882	6.2836
State and Local	58.833	59.464	60.114	60.758	61.428	62.145	62.89	63.663
Federal Civilian	5.378	5.377	5.378	5.378	5.379	5.383	5.389	5.398
Federal Military	3.119	3.127	3.137	3.145	3.153	3.167	3.179	3.193
Farm	3.013	2.983	2.953	2.924	2.894	2.865	2.837	2.808
Hotels	72.516	73.632	74.766	75.911	77.059	78.255	79.5	80.786
Amusem & Recr	24.1751	24.5087	24.8496	25.1983	25.5528	25.9322	26.3282	26.7421
Eating & Drinking	23.5853	23.9296	24.2865	24.6515	25.0259	25.4183	25.8281	26.2584
<b>Migrants</b>								
Total Migrants	4.1224	3.9471	3.7587	3.5727	3.4049	3.27108	3.1102	2.9428

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Con:						
BASELINE LEVELS						
Rest of Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	519.648	524.664	530.013	535.602	541.311	546.954
Population (Thous)	932.391	943.674	954.983	966.413	977.905	989.288
GRP (Bil 2000\$)	35.467817	36.059549	36.690885	37.338529	38.001315	38.658278
State & Local Gov Spending (Bil 2000\$)	5.3208132	5.416096	5.5189502	5.6229693	5.7304828	5.8355502
Real Disp Pers Inc (Bil 2000\$)	26.73045	27.253457	27.821892	28.387998	28.959928	29.505067
Residential Investment (Bil 2000\$)	1.1680303	1.189102	1.2094049	1.2309542	1.2487062	1.2639771
Opt Res Capital Stock (Bil 2000\$)	42.173726	42.892424	43.62277	44.36593	45.099771	45.814975
Act Res Capital Stock (Bil 2000\$)	34.530131	35.112545	35.706606	36.311152	36.922686	37.538879
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0
Manufacturing	23.804	23.723	23.65	23.583	23.525	23.463
Mining	3.12722	3.00462	2.89515	2.78959	2.68595	2.5965
Construction	27.229	27.412	27.603	27.795	27.991	28.17
Trans./Public Util.	20.3992	20.4939	20.5966	20.7088	20.8315	20.9522
Fin/Ins/Real Est	28.81	28.943	29.101	29.273	29.45	29.624
Retail Trade	69.906	70.375	70.878	71.405	71.923	72.402
Wholesale Trade	20.6012	20.633	20.6738	20.7166	20.7598	20.7924
Services	243.539	246.927	250.494	254.21	257.999	261.8
Agri/For/Fish Serv	6.3798	6.4811	6.5878	6.6966	6.808	6.9161
State and Local	64.456	65.278	66.137	67.027	67.929	68.831
Federal Civilian	5.408	5.418	5.429	5.441	5.453	5.465
Federal Military	3.207	3.221	3.239	3.258	3.277	3.296
Farm	2.78	2.752	2.725	2.698	2.671	2.644
Hotels	82.096	83.427	84.816	86.262	87.758	89.284
Amusem & Recr	27.1652	27.6033	28.0652	28.5461	29.0389	29.5321
Eating & Drinking	26.7028	27.1694	27.6586	28.165	28.678	29.183
<b>Migrants</b>						
Total Migrants	2.7687	2.6318	2.5497	2.4579	2.3012	2.073



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Total Emp (Thous)	1135.147	1162.746	1183.463	1205.987	1227.432	1244.423	1262.872	1282.875
Population (Thous)	1747.799	1816.329	1880.205	1941.036	1998.963	2053.842	2106.009	2156.063
GRP (Bil 92\$)	51.171	53.024	54.074	55.588	56.617	57.713	58.896	60.133
State & Local Gov Spending (Bil 92\$)	5.068	5.352	5.632	5.901	6.168	6.423	6.677	6.921
Real Disp Pers Inc (Bil 92\$)	34.828	36.394	37.468	38.719	39.963	41.165	42.395	43.618
Residential Investment (Bil 92\$)	3.35	3.417	3.269	3.274	3.206	3.144	3.099	3.079
Opt Res Capital Stock (Bil 92\$)	62.311	65.154	66.477	68.732	70.432	72.084	73.773	75.561
Act Res Capital Stock (Bil 92\$)	41.485	43.913	46.167	48.39	50.516	52.552	54.516	56.431
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	45.464	45.516	45.114	44.989	45.057	45.022	45.095	45.171
Mining	14.748	13.711	12.469	12.237	11.843	11.71	11.634	11.584
Construction	102.455	103.717	103.076	102.118	102.412	101.381	100.582	100.22
Trans./Public Util.	54.214	55.106	55.69	56.306	56.963	57.387	57.919	58.507
Fin/Ins/Real Est	83.628	85.171	86.423	87.988	89.046	89.989	91.07	92.247
Retail Trade	182.499	187.176	189.738	192.23	194.888	196.226	197.454	198.812
Wholesale Trade	39.876	40.664	41.269	41.751	42.557	43.157	43.817	44.519
Services	473.349	487.928	501.9	517.067	529.971	541.696	554.33	567.859
Agri/For/Fish Serv	12.845	12.954	13.079	13.196	13.311	13.371	13.465	13.575
State and Local	96.43	100.303	103.873	107.139	110.285	113.254	116.143	118.886
Federal Civilian	13.389	13.491	13.538	13.524	13.51	13.497	13.483	13.469
Federal Military	11.517	12.338	12.685	12.893	13.104	13.307	13.52	13.725
Farm	4.733	4.671	4.61	4.548	4.485	4.424	4.361	4.3
Hotels	202.491	206.371	209.936	214.182	217.649	220.789	224.447	228.521
Amusem & Recr	35.986	37.568	39.216	40.91	42.325	43.664	45.075	46.556
Eating & Drinking	57.275	58.569	59.9	61.351	62.906	64.128	65.425	66.866
<b>Migrants</b>								
Total Migrants	54.533	52.233	48.068	44.889	41.503	38.14	35.11	32.753

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Emp (Thous)	1303.503	1318.207	1335.795	1354.033	1372.478	1390.817	1407.457	1422.997
Population (Thous)	2203.973	2250.441	2296.249	2342.157	2387.983	2433.666	2478.822	2523.164
GRP (Bil 92\$)	61.447	62.647	63.927	65.256	66.599	67.948	69.22	70.444
State & Local Gov Spending (Bil 92\$)	7.161	7.378	7.595	7.815	8.032	8.249	8.454	8.654
Real Disp Pers Inc (Bil 92\$)	44.865	46.052	47.267	48.509	49.748	50.996	52.115	53.188
Residential Investment (Bil 92\$)	3.074	3.064	3.074	3.089	3.111	3.136	3.144	3.148
Opt Res Capital Stock (Bil 92\$)	77.42	79.199	81.079	82.976	84.908	86.852	88.675	90.442
Act Res Capital Stock (Bil 92\$)	58.312	60.154	61.976	63.782	65.579	67.369	69.139	70.885
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	45.328	45.537	45.653	45.8	45.944	46.07	46.157	46.208
Mining	11.742	11.241	10.749	10.295	9.88	9.475	9.088	8.722
Construction	100.266	100.011	100.083	100.305	100.65	101.059	101.31	101.508
Trans./Public Util.	59.15	59.645	60.124	60.63	61.147	61.656	62.109	62.509
Fin/Ins/Real Est	93.528	93.549	93.767	94.029	94.298	94.56	94.706	94.781
Retail Trade	199.435	200.002	202.402	204.858	207.35	209.809	211.856	213.639
Wholesale Trade	45.164	45.589	46.106	46.633	47.152	47.65	48.074	48.454
Services	582.005	592.945	604.461	616.244	628.147	639.982	651.298	662.102
Agri/For/Fish Serv	13.709	13.927	14.165	14.415	14.673	14.935	15.177	15.407
State and Local	121.55	123.95	126.311	128.689	130.967	133.223	135.207	137.13
Federal Civilian	13.455	13.564	13.666	13.762	13.843	13.919	13.964	14.003
Federal Military	13.935	14.052	14.156	14.262	14.358	14.449	14.522	14.583
Farm	4.237	4.195	4.153	4.111	4.07	4.029	3.989	3.949
Hotels	232.908	236.768	242.029	247.442	252.911	258.368	263.728	268.957
Amusem & Recr	48.09	49.107	49.978	50.873	51.777	52.685	53.546	54.368
Eating & Drinking	68.148	69.149	70.361	71.631	72.955	74.31	75.565	76.77
<b>Migrants</b>								
Total Migrants	30.386	28.96	28.203	28.182	27.991	27.671	26.898	25.709

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Emp (Thous)	1437.877	1452.212	1466.146	1480.094	1493.727	1507.306	1520.437	1533.422
Population (Thous)	2566.726	2609.549	2651.792	2693.667	2735.282	2776.798	2818.336	2860.079
GRP (Bil 92\$)	71.658	72.856	74.043	75.254	76.439	77.64	78.818	80.002
State & Local Gov Spending (Bil 92\$)	8.852	9.045	9.234	9.425	9.606	9.79	9.967	10.147
Real Disp Pers Inc (Bil 92\$)	54.271	55.33	56.374	57.445	58.473	59.533	60.555	61.596
Residential Investment (Bil 92\$)	3.151	3.154	3.159	3.169	3.183	3.199	3.216	3.237
Opt Res Capital Stock (Bil 92\$)	92.179	93.896	95.598	97.312	99.039	100.769	102.498	104.242
Act Res Capital Stock (Bil 92\$)	72.605	74.3	75.974	77.629	79.27	80.9	82.52	84.133
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	46.212	46.187	46.131	46.054	45.957	45.851	45.716	45.567
Mining	8.349	8.002	7.671	7.36	7.057	6.775	6.494	6.231
Construction	101.652	101.762	101.873	102.034	102.214	102.441	102.65	102.903
Trans./Public Util.	62.87	63.207	63.517	63.832	64.126	64.414	64.685	64.943
Fin/Ins/Real Est	94.84	94.87	94.878	94.909	94.911	94.925	94.912	94.903
Retail Trade	215.258	216.746	218.126	219.492	220.79	222.053	223.222	224.35
Wholesale Trade	48.785	49.072	49.322	49.554	49.74	49.91	50.041	50.156
Services	672.672	683.113	693.408	703.769	714.025	724.193	734.208	744.035
Agri/For/Fish Serv	15.635	15.86	16.084	16.312	16.54	16.77	16.997	17.226
State and Local	139.015	140.769	142.486	144.112	145.701	147.305	148.855	150.464
Federal Civilian	14.035	14.053	14.068	14.071	14.072	14.072	14.065	14.06
Federal Military	14.645	14.7	14.75	14.801	14.839	14.88	14.911	14.941
Farm	3.91	3.87	3.832	3.793	3.755	3.718	3.681	3.644
Hotels	274.136	279.315	284.5	289.738	294.974	300.213	305.426	310.588
Amusem & Recr	55.177	55.982	56.773	57.577	58.371	59.168	59.956	60.74
Eating & Drinking	77.956	79.132	80.303	81.502	82.706	83.928	85.142	86.369
<b>Migrants</b>								
Total Migrants	24.43	23.127	21.898	20.815	19.839	19.021	18.391	17.96

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Total Emp (Thous)	1546.869	1560.461	1574.611	1589.026	1603.96	1620.246	1637.396	1655.277
Population (Thous)	2902.304	2944.961	2988.079	3031.75	3076.179	3121.628	3168.049	3215.295
GRP (Bil 92\$)	81.244	82.491	83.786	85.096	86.444	87.914	89.424	90.988
State & Local Gov Spending (Bil 92\$)	10.337	10.525	10.722	10.919	11.12	11.342	11.569	11.804
Real Disp Pers Inc (Bil 92\$)	62.718	63.818	64.977	66.142	67.373	68.783	70.202	71.686
Residential Investment (Bil 92\$)	3.263	3.289	3.323	3.362	3.414	3.477	3.547	3.619
Opt Res Capital Stock (Bil 92\$)	106.015	107.787	109.609	111.477	113.446	115.512	117.65	119.849
Act Res Capital Stock (Bil 92\$)	85.745	87.354	88.968	90.592	92.237	93.913	95.625	97.374
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	45.411	45.245	45.09	44.94	44.784	44.641	44.515	44.399
Mining	5.991	5.756	5.529	5.317	5.114	4.929	4.749	4.588
Construction	103.204	103.498	103.892	104.341	104.913	105.594	106.316	107.132
Trans./Public Util.	65.219	65.502	65.806	66.122	66.451	66.828	67.244	67.69
Fin/Ins/Real Est	94.955	95.015	95.119	95.247	95.406	95.692	96.02	96.401
Retail Trade	225.542	226.703	227.958	229.252	230.687	232.359	234.151	236.055
Wholesale Trade	50.269	50.358	50.453	50.54	50.633	50.753	50.866	50.988
Services	754.075	764.224	774.543	784.961	795.448	806.483	817.979	829.738
Agri/For/Fish Serv	17.464	17.705	17.956	18.212	18.481	18.772	19.076	19.391
State and Local	152.098	153.815	155.615	157.439	159.378	161.494	163.734	166.094
Federal Civilian	14.05	14.048	14.05	14.05	14.053	14.062	14.08	14.103
Federal Military	14.983	15.021	15.065	15.105	15.145	15.208	15.27	15.337
Farm	3.608	3.571	3.536	3.5	3.465	3.431	3.396	3.362
Hotels	315.813	321.099	326.448	331.82	337.169	342.664	348.303	354.042
Amusem & Recr	61.553	62.383	63.237	64.108	65.001	65.962	66.963	68.004
Eating & Drinking	87.645	88.935	90.288	91.682	93.156	94.751	96.421	98.168
<b>Migrants</b>								
Total Migrants	17.818	17.694	17.609	17.671	17.976	18.538	19.124	19.547

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>						
<b>All Nevada</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	1673.581	1692.645	1712.892	1734.028	1755.456	1776.864
Population (Thous)	3263.3	3312.142	3362.064	3413.02	3464.723	3516.857
GRP (Bil 92\$)	92.571	94.219	95.981	97.791	99.642	101.482
State & Local Gov Spending (Bil 92\$)	12.038	12.285	12.551	12.824	13.106	13.387
Real Disp Pers Inc (Bil 92\$)	73.195	74.808	76.575	78.355	80.163	81.916
Residential Investment (Bil 92\$)	3.698	3.787	3.88	3.975	4.061	4.138
Opt Res Capital Stock (Bil 92\$)	122.126	124.521	126.998	129.539	132.065	134.581
Act Res Capital Stock (Bil 92\$)	99.166	101.01	102.909	104.862	106.862	108.899
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	44.278	44.172	44.073	43.994	43.929	43.856
Mining	4.43	4.276	4.138	4.006	3.875	3.762
Construction	107.998	108.962	109.98	111.017	112.038	113.025
Trans./Public Util.	68.153	68.636	69.172	69.744	70.332	70.928
Fin/Ins/Real Est	96.797	97.256	97.806	98.406	99.027	99.642
Retail Trade	238.043	240.202	242.544	244.983	247.39	249.707
Wholesale Trade	51.098	51.23	51.385	51.547	51.704	51.838
Services	841.658	853.81	866.544	879.796	893.274	906.843
Agri/For/Fish Serv	19.714	20.053	20.411	20.782	21.156	21.528
State and Local	168.554	171.126	173.834	176.661	179.546	182.464
Federal Civilian	14.128	14.156	14.183	14.215	14.247	14.279
Federal Military	15.401	15.47	15.558	15.646	15.74	15.828
Farm	3.329	3.296	3.263	3.23	3.198	3.166
Hotels	359.819	365.631	371.639	377.843	384.232	390.731
Amusem & Recr	69.066	70.166	71.328	72.535	73.771	75.012
Eating & Drinking	99.977	101.889	103.909	106.003	108.12	110.231
<b>Migrants</b>						
Total Migrants	19.913	20.321	20.903	21.426	21.588	21.403

**Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.**

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>All Nevada</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Employment (Thous)	14.560	40.510	46.690	48.540	52.380	55.960	58.820	60.160
Population (Thous)	111.200	132.500	146.000	155.500	163.400	169.200	175.600	177.400
GRP (Bil 92\$)	0.719	1.695	1.907	1.956	2.076	2.192	2.285	2.315
State & Local Gov Spending (Bil 92\$)	0.287	0.347	0.393	0.362	0.393	0.415	0.442	0.449
Real Disp Pers Inc (Bil 92\$)	0.762	1.281	1.462	1.559	1.696	1.824	1.950	2.022
Residential Investment (Bil 92\$)	0.173	0.272	0.276	0.264	0.260	0.255	0.251	0.236
Opt Res Capital Stock (Bil 92\$)	1.363	2.315	2.612	2.782	2.999	3.202	3.397	3.507
Act Res Capital Stock (Bil 92\$)	0.173	0.442	0.711	0.964	1.209	1.445	1.672	1.882
Exog Emp (Thous)	0.000	13.540	15.540	16.210	17.120	18.200	18.830	19.100
Exog Prod (Bil 92\$)	0.000	0.763	0.857	0.880	0.914	0.957	0.974	0.971
Manufacturing	0.207	0.476	0.586	0.664	0.752	0.827	0.890	0.927
Mining	0.025	-0.144	-0.184	-0.225	-0.183	-0.164	-0.151	-0.142
Construction	2.240	4.348	4.699	4.890	5.031	5.089	5.103	4.951
Trans./Public Util.	0.266	0.682	0.817	0.875	0.975	1.062	1.138	1.183
Fin/Ins/Real Est	1.157	1.911	2.082	2.132	2.236	2.332	2.422	2.447
Retail Trade	1.199	3.585	4.272	4.590	5.101	5.571	5.971	6.222
Wholesale Trade	0.238	0.667	0.806	0.866	0.965	1.057	1.136	1.182
Services	3.287	21.700	25.520	27.170	29.430	31.780	33.510	34.550
Agri/For/Fish Serv	0.193	0.451	0.503	0.515	0.545	0.572	0.594	0.600
State and Local	5.750	6.847	7.619	7.093	7.557	7.871	8.240	8.270
Federal Civilian	0.000	-0.013	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	0.757	14.930	17.350	18.290	19.750	21.320	22.370	22.980
Amusem & Recr	0.064	0.230	0.301	0.353	0.413	0.470	0.521	0.561
Eating & Drinking	0.132	0.769	0.960	1.066	1.229	1.391	1.535	1.652
<b>Changes in Migrants</b>								
Total Migrants	112.100	19.450	10.550	6.376	4.834	2.761	3.272	-1.062
<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE								
CHANGES								
Changes caused by simulation (UNLV)								
<b>All Nevada</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Employment (Thous)	60.400	61.240	62.470	64.110	65.580	67.710	69.030	70.300
Population (Thous)	179.300	181.300	186.200	193.700	199.900	206.200	212.100	217.000
GRP (Bil 92\$)	2.301	2.336	2.389	2.464	2.531	2.625	2.684	2.741
State & Local Gov Spending (Bil 92\$)	0.404	0.412	0.432	0.464	0.492	0.583	0.611	0.634
Real Disp Pers Inc (Bil 92\$)	2.077	2.151	2.245	2.365	2.475	2.601	2.698	2.788
Residential Investment (Bil 92\$)	0.220	0.211	0.207	0.210	0.210	0.214	0.213	0.210
Opt Res Capital Stock (Bil 92\$)	3.587	3.699	3.847	4.034	4.207	4.407	4.562	4.706
Act Res Capital Stock (Bil 92\$)	2.072	2.250	2.421	2.592	2.761	2.932	3.098	3.259
Exog Emp (Thous)	19.410	19.440	19.470	19.500	19.530	19.190	19.190	19.190
Exog Prod (Bil 92\$)	0.975	0.983	0.988	0.992	0.997	0.967	0.964	0.960
Manufacturing	0.952	0.971	0.988	1.008	1.028	1.051	1.075	1.103
Mining	-0.147	-0.106	-0.066	-0.029	0.005	0.005	0.005	0.005
Construction	5.024	4.903	4.858	4.887	4.890	4.663	4.653	4.635
Trans./Public Util.	1.197	1.231	1.267	1.311	1.351	1.414	1.450	1.485
Fin/Ins/Real Est	2.453	2.464	2.505	2.574	2.630	2.708	2.758	2.803
Retail Trade	6.376	6.556	6.796	7.065	7.312	7.581	7.779	7.970
Wholesale Trade	1.211	1.240	1.273	1.311	1.344	1.379	1.407	1.434
Services	35.270	35.850	36.430	37.080	37.700	38.250	38.870	39.520
Agri/For/Fish Serv	0.600	0.609	0.622	0.640	0.656	0.677	0.692	0.706
State and Local	7.490	7.547	7.823	8.289	8.691	10.020	10.370	10.670
Federal Civilian	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	23.280	23.500	23.720	23.920	24.100	24.290	24.480	24.700
Amusem & Recr	0.597	0.626	0.650	0.677	0.703	0.730	0.755	0.782
Eating & Drinking	1.743	1.836	1.926	2.022	2.115	2.216	2.297	2.380
<b>Changes in Migrants</b>								
Total Migrants	-0.877	-0.672	2.352	4.510	3.852	3.754	2.734	1.376
LEVELS: Dollar amounts are in 1992 C								



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE								
CHANGES								
Changes caused by simulation (UNLV)								
All Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	71.900	73.370	74.770	76.080	77.170	78.190	78.990	80.120
Population (Thous)	222.800	227.800	232.000	235.500	238.200	240.400	242.100	243.500
GRP (Bil 92\$)	2.814	2.882	2.948	3.011	3.063	3.114	3.156	3.216
State & Local Gov Spending (Bil 92\$)	0.663	0.688	0.711	0.732	0.749	0.764	0.777	0.846
Real Disp Pers Inc (Bil 92\$)	2.895	2.992	3.082	3.169	3.239	3.310	3.372	3.439
Residential Investment (Bil 92\$)	0.212	0.211	0.210	0.208	0.203	0.200	0.195	0.192
Opt Res Capital Stock (Bil 92\$)	4.875	5.029	5.170	5.305	5.416	5.527	5.625	5.731
Act Res Capital Stock (Bil 92\$)	3.419	3.576	3.728	3.877	4.018	4.154	4.283	4.407
Exog Emp (Thous)	19.180	19.180	19.180	19.180	19.170	19.170	19.170	18.850
Exog Prod (Bil 92\$)	0.956	0.953	0.950	0.946	0.943	0.940	0.936	0.906
Manufacturing	1.138	1.175	1.214	1.253	1.287	1.319	1.346	1.365
Mining	0.005	0.006	0.007	0.007	0.007	0.007	0.006	0.005
Construction	4.667	4.680	4.686	4.688	4.666	4.651	4.621	4.350
Trans./Public Util.	1.529	1.571	1.612	1.651	1.684	1.715	1.740	1.778
Fin/Ins/Real Est	2.868	2.924	2.974	3.021	3.055	3.088	3.111	3.140
Retail Trade	8.193	8.404	8.605	8.806	8.967	9.135	9.272	9.395
Wholesale Trade	1.468	1.501	1.535	1.569	1.599	1.629	1.654	1.676
Services	40.290	41.040	41.770	42.490	43.120	43.700	44.170	44.440
Agri/For/Fish Serv	0.724	0.742	0.758	0.774	0.787	0.800	0.811	0.823
State and Local	11.050	11.360	11.640	11.860	12.030	12.170	12.280	13.180
Federal Civilian	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	24.960	25.230	25.520	25.800	26.060	26.290	26.470	26.600
Amusem & Recr	0.814	0.847	0.881	0.914	0.944	0.974	1.000	1.020
Eating & Drinking	2.474	2.568	2.660	2.756	2.841	2.930	3.010	3.086
Changes in Migrants								
Total Migrants	2.676	1.457	0.088	-0.452	-1.327	-1.904	-2.336	-2.631
LEVELS: Dollar amounts are in 1992 C								



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE								
CHANGES								
Changes caused by simulation (UNLV)								
All Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	80.520	80.780	80.930	80.930	80.750	80.550	80.230	80.040
Population (Thous)	244.100	244.800	244.700	244.800	244.600	244.000	243.200	242.000
GRP (Bil 92\$)	3.243	3.265	3.282	3.294	3.297	3.302	3.300	3.307
State & Local Gov Spending (Bil 92\$)	0.856	0.866	0.874	0.882	0.888	0.895	0.900	0.905
Real Disp Pers Inc (Bil 92\$)	3.489	3.533	3.578	3.618	3.649	3.687	3.718	3.769
Residential Investment (Bil 92\$)	0.186	0.180	0.174	0.168	0.162	0.157	0.151	0.150
Opt Res Capital Stock (Bil 92\$)	5.803	5.866	5.929	5.984	6.024	6.065	6.097	6.161
Act Res Capital Stock (Bil 92\$)	4.524	4.631	4.732	4.825	4.910	4.989	5.060	5.130
Exog Emp (Thous)	18.850	18.850	18.850	18.850	18.850	18.850	18.850	18.850
Exog Prod (Bil 92\$)	0.902	0.899	0.896	0.892	0.889	0.886	0.882	0.879
Manufacturing	1.380	1.389	1.394	1.395	1.392	1.386	1.378	1.370
Mining	0.003	0.002	-0.001	-0.003	-0.005	-0.008	-0.010	-0.012
Construction	4.298	4.240	4.182	4.120	4.045	3.975	3.896	3.852
Trans./Public Util.	1.791	1.800	1.805	1.806	1.801	1.796	1.787	1.782
Fin/Ins/Real Est	3.148	3.151	3.150	3.146	3.133	3.123	3.107	3.101
Retail Trade	9.484	9.543	9.607	9.642	9.647	9.658	9.651	9.703
Wholesale Trade	1.692	1.703	1.711	1.714	1.711	1.708	1.700	1.696
Services	44.690	44.860	44.960	44.960	44.860	44.730	44.540	44.380
Agri/For/Fish Serv	0.829	0.834	0.837	0.840	0.840	0.840	0.838	0.840
State and Local	13.230	13.290	13.310	13.340	13.360	13.370	13.370	13.360
Federal Civilian	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	26.670	26.700	26.670	26.600	26.480	26.330	26.140	25.920
Amusem & Recr	1.039	1.053	1.067	1.077	1.084	1.091	1.096	1.108
Eating & Drinking	3.152	3.209	3.269	3.319	3.359	3.402	3.439	3.500
Changes in Migrants								
Total Migrants	-3.393	-3.212	-3.883	-3.570	-3.905	-4.050	-4.241	-4.329
LEVELS: Dollar amounts are in 1992 C								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE						
CHANGES						
Changes caused by simulation (UNLV)						
All Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	79.800	79.410	79.020	78.600	78.300	77.780
Population (Thous)	241.200	239.500	238.100	236.800	235.600	232.700
GRP (Bil 92\$)	3.312	3.309	3.309	3.308	3.314	3.307
State & Local Gov Spending (Bil 92\$)	0.910	0.913	0.917	0.923	0.928	0.928
Real Disp Pers Inc (Bil 92\$)	3.823	3.871	3.928	3.982	4.054	4.110
Residential Investment (Bil 92\$)	0.150	0.149	0.148	0.148	0.151	0.151
Opt Res Capital Stock (Bil 92\$)	6.229	6.286	6.349	6.409	6.495	6.559
Act Res Capital Stock (Bil 92\$)	5.198	5.264	5.329	5.392	5.458	5.522
Exog Emp (Thous)	18.850	18.850	18.850	18.850	18.850	18.850
Exog Prod (Bil 92\$)	0.875	0.872	0.868	0.865	0.861	0.857
Manufacturing	1.360	1.347	1.333	1.318	1.304	1.286
Mining	-0.015	-0.018	-0.020	-0.022	-0.025	-0.027
Construction	3.813	3.757	3.708	3.656	3.627	3.569
Trans./Public Util.	1.775	1.764	1.754	1.742	1.734	1.721
Fin/Ins/Real Est	3.094	3.080	3.070	3.060	3.057	3.040
Retail Trade	9.750	9.783	9.821	9.847	9.911	9.958
Wholesale Trade	1.690	1.681	1.671	1.659	1.649	1.636
Services	44.160	43.860	43.540	43.200	42.890	42.510
Agri/For/Fish Serv	0.842	0.841	0.841	0.841	0.843	0.842
State and Local	13.370	13.340	13.340	13.340	13.340	13.270
Federal Civilian	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	25.670	25.390	25.080	24.750	24.420	24.060
Amusem & Recr	1.119	1.128	1.138	1.147	1.162	1.174
Eating & Drinking	3.561	3.618	3.676	3.731	3.802	3.870
Changes in Migrants						
Total Migrants	-4.414	-5.014	-5.078	-4.850	-5.478	-8.693
LEVELS: Dollar amounts are in 1992 C						

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment									
Rest of Nevada	1998	1999	2000	2001	2002	2003	2004	2005	
Employment (Thous)	1149.707	1203.256	1230.153	1254.527	1279.812	1300.383	1321.692	1343.035	
Population (Thous)	1858.999	1948.829	2026.205	2096.536	2162.363	2223.042	2281.609	2333.463	
GRP (Bil 92\$)	51.8902	54.719	55.981	57.544	58.693	59.905	61.181	62.448	
State & Local Gov Spending (Bil 92\$)	5.3552	5.6993	6.0247	6.2626	6.5605	6.8384	7.1187	7.3703	
Real Disp Pers Inc (Bil 92\$)	35.5899	37.675	38.93	40.278	41.659	42.989	44.345	45.64	
Residential Investment (Bil 92\$)	3.5229	3.689	3.5451	3.5381	3.4662	3.3993	3.3496	3.3151	
Opt Res Capital Stock (Bil 92\$)	63.674	67.469	69.089	71.514	73.431	75.286	77.17	79.068	
Act Res Capital Stock (Bil 92\$)	41.6579	44.3551	46.8782	49.3539	51.725	53.997	56.188	58.313	
Exog Emp (Thous)	0	13.54	15.54	16.21	17.12	18.2	18.83	19.1	
Exog Prod (Bil 92\$)	0	0.7626	0.8565	0.8803	0.914	0.9566	0.9736	0.9705	
Manufacturing	45.6711	45.9919	45.6998	45.6529	45.8089	45.8489	45.9848	46.0978	
Mining	14.77297	13.5672	12.2848	12.0121	11.6602	11.5463	11.4833	11.4421	
Construction	104.695	108.065	107.775	107.008	107.443	106.47	105.685	105.171	
Trans./Public Util.	54.4804	55.7882	56.5069	57.1811	57.9379	58.449	59.057	59.69	
Fin/Ins/Real Est	84.785	87.082	88.505	90.12	91.282	92.321	93.492	94.694	
Retail Trade	183.698	190.761	194.01	196.82	199.989	201.797	203.425	205.034	
Wholesale Trade	40.1144	41.3313	42.0753	42.617	43.5217	44.214	44.953	45.701	
Services	476.636	509.628	527.42	544.237	559.401	573.476	587.84	602.409	
Agri/For/Fish Serv	13.038	13.4053	13.5818	13.7112	13.856	13.943	14.0586	14.1745	
State and Local	102.18	107.15	111.492	114.232	117.842	121.125	124.383	127.156	
Federal Civilian	13.389	13.4785	13.5072	13.4932	13.4792	13.4662	13.4522	13.4382	
Federal Military	11.517	12.338	12.685	12.893	13.104	13.307	13.52	13.725	
Farm	4.733	4.671	4.61	4.548	4.485	4.424	4.361	4.3	
Hotels	203.2482	221.301	227.286	232.472	237.399	242.109	246.817	251.501	
Amusem & Recr	36.04952	37.7981	39.5167	41.2633	42.7382	44.134	45.5961	47.1171	
Eating & Drinking	57.4072	59.3378	60.8604	62.417	64.135	65.519	66.96	68.518	
<b>Migrants</b>									
Total Migrants	166.633	71.683	58.618	51.265	46.337	40.901	38.382	31.691	

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

Levels caused by simulation (UNLV up								
Rest of Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	1363.903	1379.447	1398.265	1418.143	1438.058	1458.527	1476.487	1493.297
Population (Thous)	2383.273	2431.741	2482.449	2535.857	2587.883	2639.866	2690.922	2740.164
GRP (Bil 92\$)	63.748	64.983	66.316	67.72	69.13	70.573	71.904	73.185
State & Local Gov Spending (Bil 92\$)	7.5648	7.7896	8.027	8.2787	8.5241	8.8323	9.0645	9.2881
Real Disp Pers Inc (Bil 92\$)	46.942	48.203	49.512	50.874	52.223	53.597	54.813	55.976
Residential Investment (Bil 92\$)	3.2941	3.2746	3.2811	3.2986	3.321	3.3504	3.3567	3.3583
Opt Res Capital Stock (Bil 92\$)	81.007	82.898	84.926	87.01	89.115	91.259	93.237	95.148
Act Res Capital Stock (Bil 92\$)	60.384	62.404	64.397	66.374	68.34	70.301	72.237	74.144
Exog Emp (Thous)	19.41	19.44	19.47	19.5	19.53	19.19	19.19	19.19
Exog Prod (Bil 92\$)	0.9747	0.9833	0.9877	0.9923	0.9967	0.9672	0.9636	0.96
Manufacturing	46.2796	46.5079	46.6406	46.808	46.972	47.121	47.232	47.311
Mining	11.5952	11.135	10.6831	10.26622	9.885202	9.479888	9.092806	8.726924
Construction	105.29	104.914	104.941	105.192	105.54	105.722	105.963	106.143
Trans./Public Util.	60.347	60.876	61.391	61.941	62.498	63.07	63.559	63.994
Fin/Ins/Real Est	95.981	96.013	96.272	96.603	96.928	97.268	97.464	97.584
Retail Trade	205.811	206.558	209.198	211.923	214.662	217.39	219.635	221.609
Wholesale Trade	46.375	46.829	47.379	47.944	48.496	49.029	49.481	49.888
Services	617.275	628.795	640.891	653.324	665.847	678.232	690.168	701.622
Agri/For/Fish Serv	14.3085	14.5362	14.7872	15.0551	15.329	15.6119	15.8686	16.1128
State and Local	129.04	131.497	134.134	136.978	139.658	143.243	145.577	147.8
Federal Civilian	13.4242	13.5332	13.6352	13.7312	13.8122	13.8882	13.9332	13.9722
Federal Military	13.935	14.052	14.156	14.262	14.358	14.449	14.522	14.583
Farm	4.237	4.195	4.153	4.111	4.07	4.029	3.989	3.949
Hotels	256.188	260.268	265.749	271.362	277.011	282.658	288.208	293.657
Amusem & Recr	48.687	49.7327	50.6282	51.5496	52.4803	53.415	54.3009	55.1498
Eating & Drinking	69.891	70.985	72.287	73.653	75.07	76.526	77.862	79.15
<b>Migrants</b>								
Total Migrants	29.509	28.288	30.555	32.692	31.843	31.425	29.632	27.085

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

Levels caused by simulation (UNLV up								
Rest of Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	1509.777	1525.582	1540.916	1556.174	1570.897	1585.496	1599.427	1613.542
Population (Thous)	2789.526	2837.349	2883.792	2929.167	2973.482	3017.198	3060.436	3103.579
GRP (Bil 92\$)	74.472	75.738	76.991	78.265	79.502	80.754	81.974	83.218
State & Local Gov Spending (Bil 92\$)	9.515	9.7332	9.9453	10.1568	10.3547	10.5538	10.7439	10.9934
Real Disp Pers Inc (Bil 92\$)	57.166	58.322	59.456	60.614	61.712	62.843	63.927	65.035
Residential Investment (Bil 92\$)	3.3626	3.3651	3.3685	3.3765	3.3861	3.3986	3.411	3.4294
Opt Res Capital Stock (Bil 92\$)	97.054	98.925	100.768	102.617	104.455	106.296	108.123	109.973
Act Res Capital Stock (Bil 92\$)	76.024	77.876	79.702	81.506	83.288	85.054	86.803	88.54
Exog Emp (Thous)	19.18	19.18	19.18	19.18	19.17	19.17	19.17	18.85
Exog Prod (Bil 92\$)	0.9564	0.953	0.9496	0.9463	0.9429	0.9396	0.9361	0.9056
Manufacturing	47.35	47.362	47.345	47.307	47.244	47.17	47.062	46.932
Mining	8.354375	8.007971	7.677558	7.367052	7.064078	6.781878	6.500019	6.235742
Construction	106.319	106.442	106.559	106.722	106.88	107.092	107.271	107.253
Trans./Public Util.	64.399	64.778	65.129	65.483	65.81	66.129	66.425	66.721
Fin/Ins/Real Est	97.708	97.794	97.852	97.93	97.966	98.013	98.023	98.043
Retail Trade	223.451	225.15	226.731	228.298	229.757	231.188	232.494	233.745
Wholesale Trade	50.253	50.573	50.857	51.123	51.339	51.539	51.695	51.832
Services	712.962	724.153	735.178	746.259	757.145	767.893	778.378	788.475
Agri/For/Fish Serv	16.3592	16.6015	16.842	17.086	17.3273	17.5703	17.808	18.0485
State and Local	150.065	152.129	154.126	155.972	157.731	159.475	161.135	163.644
Federal Civilian	14.0042	14.0222	14.0372	14.0402	14.0412	14.0412	14.0342	14.0292
Federal Military	14.645	14.7	14.75	14.801	14.839	14.88	14.911	14.941
Farm	3.91	3.87	3.832	3.793	3.755	3.718	3.681	3.644
Hotels	299.096	304.545	310.02	315.538	321.034	326.503	331.896	337.188
Amusem & Recr	55.9914	56.8294	57.6535	58.4913	59.3151	60.1421	60.956	61.76
Eating & Drinking	80.43	81.7	82.963	84.258	85.547	86.858	88.152	89.455
<b>Migrants</b>								
Total Migrants	27.106	24.584	21.986	20.363	18.512	17.117	16.055	15.329



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

Levels caused by simulation (UNLV up								
Rest of Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	1627.389	1641.241	1655.541	1669.956	1684.71	1700.796	1717.626	1735.317
Population (Thous)	3146.404	3189.761	3232.779	3276.55	3320.779	3365.628	3411.249	3457.295
GRP (Bil 92\$)	84.487	85.756	87.068	88.39	89.741	91.216	92.724	94.295
State & Local Gov Spending (Bil 92\$)	11.1934	11.391	11.5957	11.8005	12.0079	12.2367	12.469	12.7089
Real Disp Pers Inc (Bil 92\$)	66.207	67.351	68.555	69.76	71.022	72.47	73.92	75.455
Residential Investment (Bil 92\$)	3.449	3.4685	3.497	3.5304	3.5758	3.6335	3.6977	3.7688
Opt Res Capital Stock (Bil 92\$)	111.818	113.653	115.538	117.461	119.47	121.577	123.747	126.01
Act Res Capital Stock (Bil 92\$)	90.269	91.985	93.7	95.417	97.147	98.902	100.685	102.504
Exog Emp (Thous)	18.85	18.85	18.85	18.85	18.85	18.85	18.85	18.85
Exog Prod (Bil 92\$)	0.9024	0.8991	0.8958	0.8923	0.8888	0.8857	0.8822	0.8789
Manufacturing	46.791	46.634	46.484	46.335	46.176	46.027	45.893	45.769
Mining	5.994438	5.757617	5.5284822	5.314246	5.108781	4.921421	4.73885	4.57556
Construction	107.502	107.738	108.074	108.461	108.958	109.569	110.212	110.984
Trans./Public Util.	67.01	67.302	67.611	67.928	68.252	68.624	69.031	69.472
Fin/Ins/Real Est	98.103	98.166	98.269	98.393	98.539	98.815	99.127	99.502
Retail Trade	235.026	236.246	237.565	238.894	240.334	242.017	243.802	245.758
Wholesale Trade	51.961	52.061	52.164	52.254	52.344	52.461	52.566	52.684
Services	798.765	809.084	819.503	829.921	840.308	851.213	862.519	874.118
Agri/For/Fish Serv	18.2929	18.5386	18.7934	19.0518	19.3208	19.6119	19.9144	20.231
State and Local	165.328	167.105	168.925	170.779	172.738	174.864	177.104	179.454
Federal Civilian	14.0192	14.0172	14.0192	14.0192	14.0222	14.0312	14.0492	14.0722
Federal Military	14.983	15.021	15.065	15.105	15.145	15.208	15.27	15.337
Farm	3.608	3.571	3.536	3.5	3.465	3.431	3.396	3.362
Hotels	342.483	347.799	353.118	358.42	363.649	368.994	374.443	379.962
Amusem & Recr	62.592	63.436	64.304	65.185	66.085	67.053	68.059	69.112
Eating & Drinking	90.797	92.144	93.557	95.001	96.515	98.153	99.86	101.668
<b>Migrants</b>								
Total Migrants	14.425	14.482	13.726	14.101	14.071	14.488	14.883	15.218

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

Levels caused by simulation (UNLV up						
Rest of Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	1753.381	1772.055	1791.912	1812.628	1833.756	1854.644
Population (Thous)	3504.5	3551.642	3600.164	3649.82	3700.323	3749.557
GRP (Bil 92\$)	95.883	97.528	99.29	101.099	102.956	104.789
State & Local Gov Spending (Bil 92\$)	12.9478	13.1978	13.4684	13.7465	14.034	14.3149
Real Disp Pers Inc (Bil 92\$)	77.018	78.679	80.503	82.337	84.217	86.026
Residential Investment (Bil 92\$)	3.8478	3.9355	4.0282	4.1228	4.2119	4.2888
Opt Res Capital Stock (Bil 92\$)	128.355	130.807	133.347	135.948	138.56	141.14
Act Res Capital Stock (Bil 92\$)	104.364	106.274	108.238	110.254	112.32	114.421
Exog Emp (Thous)	18.85	18.85	18.85	18.85	18.85	18.85
Exog Prod (Bil 92\$)	0.8752	0.8715	0.8681	0.8645	0.8606	0.8568
Manufacturing	45.638	45.519	45.406	45.312	45.233	45.142
Mining	4.41505	4.25841	4.118	3.98351	3.84996	3.73469
Construction	111.811	112.719	113.688	114.673	115.665	116.594
Trans./Public Util.	69.928	70.4	70.926	71.486	72.066	72.649
Fin/Ins/Real Est	99.891	100.336	100.876	101.466	102.084	102.682
Retail Trade	247.793	249.985	252.365	254.83	257.301	259.665
Wholesale Trade	52.788	52.911	53.056	53.206	53.353	53.474
Services	885.818	897.67	910.084	922.996	936.164	949.353
Agri/For/Fish Serv	20.5555	20.894	21.2521	21.6228	21.9991	22.3703
State and Local	181.924	184.466	187.174	190.001	192.886	195.734
Federal Civilian	14.0972	14.1252	14.1522	14.1842	14.2162	14.2482
Federal Military	15.401	15.47	15.558	15.646	15.74	15.828
Farm	3.329	3.296	3.263	3.23	3.198	3.166
Hotels	385.489	391.021	396.719	402.593	408.652	414.791
Amusem & Recr	70.185	71.294	72.466	73.682	74.933	76.186
Eating & Drinking	103.538	105.507	107.585	109.734	111.922	114.101
<b>Migrants</b>						
Total Migrants	15.499	15.307	15.825	16.576	16.110	12.710

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands</b>								
<b>BASELINE LEVELS</b>								
<b>All Nevada</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Employment (Thous)	1,149.70700	1,203.25600	1,230.15300	1,254.52700	1,279.81200	1,300.38300	1,321.69200	1,343.03500
Population (Thous)	1,858.99900	1,948.82900	2,026.20500	2,096.53600	2,162.36300	2,223.04200	2,281.60900	2,333.46300
GRP (Bil 2000\$)	60.84266	64.15950	65.63923	67.47189	68.81913	70.24023	71.73637	73.22196
State & Local Gov Spending (Bil 2000\$)	6.27912	6.68258	7.06412	7.34307	7.69236	8.01821	8.34687	8.64188
Real Disp Pers Inc (Bil 2000\$)	41.73012	44.17495	45.64648	47.22704	48.84630	50.40576	51.99571	53.51413
Residential Investment (Bil 2000\$)	4.13070	4.32545	4.15673	4.14852	4.06421	3.98577	3.92750	3.88704
Opt Res Capital Stock (Bil 2000\$)	74.65948	79.10922	81.00872	83.85209	86.09983	88.27487	90.48391	92.70936
Act Res Capital Stock (Bil 2000\$)	48.84501	52.00755	54.96595	57.86878	60.64896	63.31294	65.88195	68.37357
Exog Emp (Thous)	0.00000	13.54000	15.54000	16.21000	17.12000	18.20000	18.83000	19.10000
Exog Prod (Bil 2000\$)	0.00000	0.89417	1.00427	1.03218	1.07169	1.12164	1.14157	1.13794
Manufacturing	45.67110	45.99190	45.69980	45.65290	45.80890	45.84890	45.98480	46.09780
Mining	14.77297	13.56720	12.28480	12.01210	11.66020	11.54630	11.48330	11.44210
Construction	104.69500	108.06500	107.77500	107.00800	107.44300	106.47000	105.68500	105.17100
Trans./Public Util.	54.48040	55.78820	56.50690	57.18110	57.93790	58.44900	59.05700	59.69000
Fin/Ins/Real Est	84.78500	87.08200	88.50500	90.12000	91.28200	92.32100	93.49200	94.69400
Retail Trade	183.69800	190.76100	194.01000	196.82000	199.98900	201.79700	203.42500	205.03400
Wholesale Trade	40.11440	41.33130	42.07530	42.61700	43.52170	44.21400	44.95300	45.70100
Services	476.63600	509.62800	527.42000	544.23700	559.40100	573.47600	587.84000	602.40900
Agri/For/Fish Serv	13.03800	13.40530	13.58180	13.71120	13.85600	13.94300	14.05860	14.17450
State and Local	102.18000	107.15000	111.49200	114.23200	117.84200	121.12500	124.38300	127.15600
Federal Civilian	13.38900	13.47850	13.50720	13.49320	13.47920	13.46620	13.45220	13.43820
Federal Military	11.51700	12.33800	12.68500	12.89300	13.10400	13.30700	13.52000	13.72500
Farm	4.73300	4.67100	4.61000	4.54800	4.48500	4.42400	4.36100	4.30000
Hotels	203.24820	221.30100	227.28600	232.47200	237.39900	242.10900	246.81700	251.50100
Amusem & Recr	36.04952	37.79810	39.51670	41.26330	42.73820	44.13400	45.59610	47.11710
Eating & Drinking	57.40720	59.33780	60.86040	62.41700	64.13500	65.51900	66.96000	68.51800
<b>Migrants</b>								
Total Migrants	166.63300	71.68300	58.61800	51.26500	46.33700	40.90100	38.38200	31.69100



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 C								
BASELINE LEVELS								
All Nevada	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	1,363.90300	1,379.44700	1,398.26500	1,418.14300	1,438.05800	1,458.52700	1,476.48700	1,493.29700
Population (Thous)	2,383.27300	2,431.74100	2,482.44900	2,535.85700	2,587.88300	2,639.86600	2,690.92200	2,740.16400
GRP (Bil 2000\$)	74.74625	76.19432	77.75730	79.40353	81.05679	82.74875	84.30938	85.81139
State & Local Gov Spending (Bil 2000\$)	8.86993	9.13352	9.41187	9.70700	9.99474	10.35611	10.62837	10.89055
Real Disp Pers Inc (Bil 2000\$)	55.04076	56.51932	58.05416	59.65114	61.23288	62.84393	64.26972	65.63337
Residential Investment (Bil 2000\$)	3.86242	3.83956	3.84718	3.86770	3.89396	3.92843	3.93582	3.93770
Opt Res Capital Stock (Bil 2000\$)	94.98289	97.20014	99.57803	102.02157	104.48974	107.00364	109.32290	111.56360
Act Res Capital Stock (Bil 2000\$)	70.80187	73.17037	75.50722	77.82531	80.13049	82.42982	84.69983	86.93584
Exog Emp (Thous)	19.41000	19.44000	19.47000	19.50000	19.53000	19.19000	19.19000	19.19000
Exog Prod (Bil 2000\$)	1.14286	1.15295	1.15810	1.16350	1.16866	1.13407	1.12985	1.12563
Manufacturing	46.27960	46.50790	46.64060	46.80800	46.97200	47.12100	47.23200	47.31100
Mining	11.59520	11.13500	10.68310	10.26622	9.88520	9.47989	9.09281	8.72692
Construction	105.29000	104.91400	104.94100	105.19200	105.54000	105.72200	105.96300	106.14300
Trans./Public Util.	60.34700	60.87600	61.39100	61.94100	62.49800	63.07000	63.55900	63.99400
Fin/Ins/Real Est	95.98100	96.01300	96.27200	96.60300	96.92800	97.26800	97.46400	97.58400
Retail Trade	205.81100	206.55800	209.19800	211.92300	214.66200	217.39000	219.63500	221.60900
Wholesale Trade	46.37500	46.82900	47.37900	47.94400	48.49600	49.02900	49.48100	49.88800
Services	617.27500	628.79500	640.89100	653.32400	665.84700	678.23200	690.16800	701.62200
Agri/For/Fish Serv	14.30850	14.53620	14.78720	15.05510	15.32900	15.61190	15.86860	16.11280
State and Local	129.04000	131.49700	134.13400	136.97800	139.65800	143.24300	145.57700	147.80000
Federal Civilian	13.42420	13.53320	13.63520	13.73120	13.81220	13.88820	13.93320	13.97220
Federal Military	13.93500	14.05200	14.15600	14.26200	14.35800	14.44900	14.52200	14.58300
Farm	4.23700	4.19500	4.15300	4.11100	4.07000	4.02900	3.98900	3.94900
Hotels	256.18800	260.26800	265.74900	271.36200	277.01100	282.65800	288.20800	293.65700
Amusem & Recr	48.68700	49.73270	50.62820	51.54960	52.48030	53.41500	54.30090	55.14980
Eating & Drinking	69.89100	70.98500	72.28700	73.65300	75.07000	76.52600	77.86200	79.15000
<b>Migrants</b>								
Total Migrants	29.50880	28.28810	30.55500	32.69200	31.84300	31.42500	29.63200	27.08500

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 C								
BASELINE LEVELS								
All Nevada	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	1,509.77700	1,525.58200	1,540.91600	1,556.17400	1,570.89700	1,585.49600	1,599.42700	1,613.54200
Population (Thous)	2,789.52600	2,837.34900	2,883.79200	2,929.16700	2,973.48200	3,017.19800	3,060.43600	3,103.57900
GRP (Bil 2000\$)	87.32043	88.80485	90.27402	91.76782	93.21824	94.68624	96.11673	97.57535
State & Local Gov Spending (Bil 2000\$)	11.15659	11.41244	11.66113	11.90912	12.14117	12.37462	12.59751	12.89006
Real Disp Pers Inc (Bil 2000\$)	67.02868	68.38412	69.71376	71.07155	72.35898	73.68511	74.95613	76.25529
Residential Investment (Bil 2000\$)	3.94274	3.94567	3.94966	3.95904	3.97029	3.98495	3.99949	4.02106
Opt Res Capital Stock (Bil 2000\$)	113.79843	115.99223	118.15320	120.32120	122.47631	124.63493	126.77713	128.94631
Act Res Capital Stock (Bil 2000\$)	89.14019	91.31171	93.45275	95.56798	97.65743	99.72811	101.77886	103.81554
Exog Emp (Thous)	19.18000	19.18000	19.18000	19.18000	19.17000	19.17000	19.17000	18.85000
Exog Prod (Bil 2000\$)	1.12140	1.11742	1.11343	1.10956	1.10558	1.10171	1.09760	1.06184
Manufacturing	47.35000	47.36200	47.34500	47.30700	47.24400	47.17000	47.06200	46.93200
Mining	8.35438	8.00797	7.67756	7.36705	7.06408	6.78188	6.50002	6.23574
Construction	106.31900	106.44200	106.55900	106.72200	106.88000	107.09200	107.27100	107.25300
Trans./Public Util.	64.39900	64.77800	65.12900	65.48300	65.81000	66.12900	66.42500	66.72100
Fin/Ins/Real Est	97.70800	97.79400	97.85200	97.93000	97.96600	98.01300	98.02300	98.04300
Retail Trade	223.45100	225.15000	226.73100	228.29800	229.75700	231.18800	232.49400	233.74500
Wholesale Trade	50.25300	50.57300	50.85700	51.12300	51.33900	51.53900	51.69500	51.83200
Services	712.96200	724.15300	735.17800	746.25900	757.14500	767.89300	778.37800	788.47500
Agri/For/Fish Serv	16.35920	16.60150	16.84200	17.08600	17.32730	17.57030	17.80800	18.04850
State and Local	150.06500	152.12900	154.12600	155.97200	157.73100	159.47500	161.13500	163.64400
Federal Civilian	14.00420	14.02220	14.03720	14.04020	14.04120	14.04120	14.03420	14.02920
Federal Military	14.64500	14.70000	14.75000	14.80100	14.83900	14.88000	14.91100	14.94100
Farm	3.91000	3.87000	3.83200	3.79300	3.75500	3.71800	3.68100	3.64400
Hotels	299.09600	304.54500	310.02000	315.53800	321.03400	326.50300	331.89600	337.18800
Amusem & Recr	55.99140	56.82940	57.65350	58.49130	59.31510	60.14210	60.95600	61.76000
Eating & Drinking	80.43000	81.70000	82.96300	84.25800	85.54700	86.85800	88.15200	89.45500
<b>Migrants</b>								
Total Migrants	27.10600	24.58400	21.98605	20.36330	18.51200	17.11700	16.05500	15.32900

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 C								
BASELINE LEVELS								
All Nevada	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	1,627.38900	1,641.24100	1,655.54100	1,669.95600	1,684.71000	1,700.79600	1,717.62600	1,735.31700
Population (Thous)	3,146.40400	3,189.76100	3,232.77900	3,276.55000	3,320.77900	3,365.62800	3,411.24900	3,457.29500
GRP (Bil 2000\$)	99.06329	100.55122	102.08958	103.63966	105.22374	106.95322	108.72139	110.56343
State & Local Gov Spending (Bil 2000\$)	13.12456	13.35625	13.59627	13.83640	14.07959	14.34786	14.62024	14.90153
Real Disp Pers Inc (Bil 2000\$)	77.62949	78.97086	80.38259	81.79548	83.27521	84.97303	86.67319	88.47302
Residential Investment (Bil 2000\$)	4.04405	4.06691	4.10033	4.13949	4.19272	4.26038	4.33565	4.41902
Opt Res Capital Stock (Bil 2000\$)	131.10962	133.26121	135.47142	137.72619	140.08180	142.55231	145.09670	147.75012
Act Res Capital Stock (Bil 2000\$)	105.84284	107.85489	109.86578	111.87901	113.90748	115.96526	118.05588	120.18871
Exog Emp (Thous)	18.85000	18.85000	18.85000	18.85000	18.85000	18.85000	18.85000	18.85000
Exog Prod (Bil 2000\$)	1.05809	1.05422	1.05035	1.04625	1.04214	1.03851	1.03440	1.03053
Manufacturing	46.79100	46.63400	46.48400	46.33500	46.17600	46.02700	45.89300	45.76900
Mining	5.99444	5.75762	5.52848	5.31425	5.10878	4.92142	4.73885	4.57556
Construction	107.50200	107.73800	108.07400	108.46100	108.95800	109.56900	110.21200	110.98400
Trans./Public Util.	67.01000	67.30200	67.61100	67.92800	68.25200	68.62400	69.03100	69.47200
Fin/Ins/Real Est	98.10300	98.16600	98.26900	98.39300	98.53900	98.81500	99.12700	99.50200
Retail Trade	235.02600	236.24600	237.56500	238.89400	240.33400	242.01700	243.80200	245.75800
Wholesale Trade	51.96100	52.06100	52.16400	52.25400	52.34400	52.46100	52.56600	52.68400
Services	798.76500	809.08400	819.50300	829.92100	840.30800	851.21300	862.51900	874.11800
Agri/For/Fish Serv	18.29290	18.53860	18.79340	19.05180	19.32080	19.61190	19.91440	20.23100
State and Local	165.32800	167.10500	168.92500	170.77900	172.73800	174.86400	177.10400	179.45400
Federal Civilian	14.01920	14.01720	14.01920	14.01920	14.02220	14.03120	14.04920	14.07220
Federal Military	14.98300	15.02100	15.06500	15.10500	15.14500	15.20800	15.27000	15.33700
Farm	3.60800	3.57100	3.53600	3.50000	3.46500	3.43100	3.39600	3.36200
Hotels	342.48300	347.79900	353.11800	358.42000	363.64900	368.99400	374.44300	379.96200
Amusem & Recr	62.59200	63.43600	64.30400	65.18500	66.08500	67.05300	68.05900	69.11200
Eating & Drinking	90.79700	92.14400	93.55700	95.00100	96.51500	98.15300	99.86000	101.66800
<b>Migrants</b>								
Total Migrants	14.42500	14.48200	13.72600	14.10100	14.07100	14.48800	14.88300	15.21800

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 C						
BASELINE LEVELS						
All Nevada	2030	2031	2032	2033	2034	2035
Employment (Thous)	1,753.38100	1,772.05500	1,791.91200	1,812.62800	1,833.75600	1,854.64400
Population (Thous)	3,504.50000	3,551.64200	3,600.16400	3,649.82000	3,700.32300	3,749.55700
GRP (Bil 2000\$)	112.42540	114.35421	116.42020	118.54130	120.71869	122.86793
State & Local Gov Spending (Bil 2000\$)	15.18164	15.47478	15.79206	16.11814	16.45524	16.78461
Real Disp Pers Inc (Bil 2000\$)	90.30568	92.25325	94.39194	96.54235	98.74670	100.86781
Residential Investment (Bil 2000\$)	4.51165	4.61448	4.72317	4.83409	4.93857	5.02873
Opt Res Capital Stock (Bil 2000\$)	150.49970	153.37474	156.35295	159.40270	162.46534	165.49046
Act Res Capital Stock (Bil 2000\$)	122.36961	124.60913	126.91197	129.27579	131.69823	134.16171
Exog Emp (Thous)	18.85000	18.85000	18.85000	18.85000	18.85000	18.85000
Exog Prod (Bil 2000\$)	1.02620	1.02186	1.01787	1.01365	1.00908	1.00462
Manufacturing	45.63800	45.51900	45.40600	45.31200	45.23300	45.14200
Mining	4.41505	4.25841	4.11800	3.98351	3.84996	3.73469
Construction	111.81100	112.71900	113.68800	114.67300	115.66500	116.59400
Trans./Public Util.	69.92800	70.40000	70.92600	71.48600	72.06600	72.64900
Fin/Ins/Real Est	99.89100	100.33600	100.87600	101.46600	102.08400	102.68200
Retail Trade	247.79300	249.98500	252.36500	254.83000	257.30100	259.66500
Wholesale Trade	52.78800	52.91100	53.05600	53.20600	53.35300	53.47400
Services	885.81800	897.67000	910.08400	922.99600	936.16400	949.35300
Agri/For/Fish Serv	20.55550	20.89400	21.25210	21.62280	21.99910	22.37030
State and Local	181.92400	184.46600	187.17400	190.00100	192.88600	195.73400
Federal Civilian	14.09720	14.12520	14.15220	14.18420	14.21620	14.24820
Federal Military	15.40100	15.47000	15.55800	15.64600	15.74000	15.82800
Farm	3.32900	3.29600	3.26300	3.23000	3.19800	3.16600
Hotels	385.48900	391.02100	396.71900	402.59300	408.65200	414.79100
Amusem & Recr	70.18500	71.29400	72.46600	73.68200	74.93300	76.18600
Eating & Drinking	103.53800	105.50700	107.58500	109.73400	111.92200	114.10100
<b>Migrants</b>						
Total Migrants	15.49900	15.30700	15.82500	16.57600	16.11000	12.71000



## Attachment 10. Implementing Alternative Baseline, Notes and Inflators

This is the development of the Inputs and outputs for the baseline case									
Steps									
1. Update workbook with DETR data (outputs)									
	Status:	Done; See "Output" worksheets, rows 4 through 30 for economic levels							
2. Update Clark County with UNLV data: Amenity, hotel employment, govt spending for transportation infrastructure.									
	Status:	Done; see "input worksheet for Clark							
3. Update input sheets with Retirement migration data									
	Status:	Done							
4. Add NTS/YMP employment update data. Clark and Nye									
	Status:	Done							
5. Add Mining sector employment update data. Nye. Include Bullfrog closing and PIC assumption of level employment after 2001									
	Status:	Done							
6. Run all inputs through REMI:		Done							
7. Paste REMI outputs into workbook: Done									
8. See how much population needs to be changed to reflect local estimates (compare)									
	Clark county source: SNAPPE/ UNLV								
	Nye County source: PIC (1998: pop projections to 2008) and April 2000 pop estimates								
	Lincoln County source: NSDO								
	Rest of Nevada Source: NSDO								
9. Develop REMI inputs for economic migration through iterative process									
	Done.								
NOTES:	1. See input sheets for development of inputs. See PCE-Indices for price indexes for counties and sectors.								
	2. For development of "Levels" of the economic measures, go to "output" sheets, rows 100 and 131; except "Output All Nevada" worksheet, go to rows 35 and 66.								
	3. "Output All Nevada" worksheet does NOT have intermediate step of of results from from changes w/o economic migration. It has levels from DETR update and changes from all other baseline inputs, including economic migration.								
	4. For DETR update use : REMI Workbook "Desert Station Visitors.RWB" and worksheet "Regional Control emp update."								
	5. For Levels/Differences caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment, but WITHOUT DETR Update use REMI Workbook: "FEIS siml w migration and last Nye.RWB" and worksheet "FEIS baseline w all inputs-1"								
	6. Baseline levels in 1992 Constant dollars (line 136) are derived from the above two simulations: above two simulations: Levels from the Employment update (see #4), and differences from the economic simulation (see #5) are added to obtain final baseline levels in 1992								
	7. Baseline levels in 2000 Constant dollars (line 169) are derived from #6, above by multiplying 1992 constant dollars by the price index for each county derived from the Standard Regional Control. See worksheet PCE-Indices.								

**Attachment 10. Implementing Alternative Baseline, Notes and Inflaters**

PCE Indices from the REMI run to establish baseline: Workbook: "FEIS siml w migration and last Nye.RWB"; and worksheet "FEIS baseline w all inputs-1"									
Area	1992	1993	1994	1995	1996	1997	1998	1999	2000
Clark	103.173	106.227	107.758	110.675	113.782	115.983	116.351	118.749	121.658
Nye	106.079	108.66	108.44	109.221	104.996	107.371	105.115	106.01	107.676
Lincoln	91.293	90.979	92.955	94.736	96.846	98.685	97.598	98.462	99.952
Rest of NV	99.383	102.265	105.158	107.363	109.647	111.145	111.395	112.977	115.278
All Nevada	101.758	104.734	106.757	109.381	112.096	114.035	114.327	116.399	119.064
Area	2001	2002	2003	2004	2005	2006	2007	2008	2009
Clark	124.451	127.277	130.125	133.011	135.94	138.899	141.961	145.14	148.418
Nye	109.39	111.312	113.379	115.568	117.882	120.274	122.819	125.514	128.33
Lincoln	101.545	103.44	105.545	107.808	110.2	112.689	115.276	118.029	120.88
Rest of NV	117.705	120.202	122.807	125.475	128.28	131.158	134.104	137.094	140.112
All Nevada	121.705	124.395	127.142	129.937	132.811	135.733	138.744	141.846	145.021
Area	2010	2011	2012	2013	2014	2015	2016	2017	2018
Clark	151.767	155.192	158.634	162.112	165.637	169.226	172.895	176.652	180.492
Nye	131.207	134.104	137.016	139.962	142.953	146.017	149.173	152.415	155.736
Lincoln	123.826	126.849	129.952	133.205	136.595	140.059	143.56	147.188	150.867
Rest of NV	143.176	146.29	149.441	152.654	155.888	159.208	162.604	166.091	169.669
All Nevada	148.257	151.559	154.886	158.258	161.668	165.151	168.712	172.362	176.098
Area	2019	2020	2021	2022	2023	2024	2025	2026	2027
Clark	184.443	188.49	192.667	196.961	201.357	205.883	210.52	215.292	220.213
Nye	159.156	162.664	166.274	169.989	173.802	177.732	181.764	185.932	190.234
Lincoln	154.581	158.345	162.125	165.963	169.885	173.846	177.866	181.93	186.083
Rest of NV	173.353	177.137	181.015	184.996	189.069	193.238	197.498	201.857	206.322
All Nevada	179.942	183.884	187.942	192.111	196.379	200.764	205.252	209.861	214.602
Area	2028	2029	2030	2031	2032	2033	2034	2035	
Clark	225.257	230.434	235.732	241.167	246.746	252.445	258.258	264.196	
Nye	194.636	199.173	203.818	208.584	213.48	218.512	223.626	228.815	
Lincoln	190.348	194.676	199.091	203.604	208.269	213.109	218.028	223.045	
Rest of NV	210.881	215.544	220.306	225.185	230.183	235.296	240.512	245.825	
All Nevada	219.456	224.432	229.52	234.737	240.089	245.56	251.139	256.833	
Note: The baseline simulation resulted in slightly smaller PCE indices for the counties in 1999 and 2000. Therefore, the PCE indices used to adjust from \$1992 to \$2000 constant dollars will be the standard regional control. This presents slightly larger numbers and will be thought as conservative.									
Price Indices from REMI 1999-2000 model (LHY = 1997) (PCE-Index: \$92) Standard Regional Control									
Area	1992	1993	1994	1995	1996	1997	1998	1999	2000
Clark	103.173	106.227	107.758	110.675	113.782	115.983	116.896	118.932	121.734
Nye	106.079	108.66	108.44	109.221	104.996	107.371	106.809	107.828	109.648
Lincoln	91.293	90.979	92.955	94.736	96.846	98.685	97.631	98.427	100.084
Rest of NV	99.383	102.265	105.158	107.363	109.647	111.145	111.699	113.338	115.764
All Nevada	101.758	104.734	106.757	109.381	112.096	114.035	114.793	116.666	119.314
Indices to change 1992 dollars to year 2000 dollars									
Clark	1.179902								
Nye	1.033645								
Lincoln	1.096294								
Rest of NV	1.164827								
All Nevada	1.172527								

# Attachment 10. Implementing Alternative Baseline, Notes and Inflators

Sector Specific U.S. Deflators (1992=1.0)									
REMI Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000
Lumber	1.000	1.159	1.203	1.201	1.191	1.213	1.223	1.242	1.269
Furniture	1.000	1.020	1.054	1.082	1.104	1.125	1.134	1.151	1.177
Stone, Clay, Etc.	1.000	1.023	1.061	1.105	1.123	1.144	1.153	1.171	1.196
Primary Metals	1.000	0.990	1.054	1.164	1.111	1.132	1.141	1.159	1.185
Fabricated Metals	1.000	1.007	1.024	1.061	1.073	1.093	1.101	1.119	1.143
Machin & Comput	1.000	0.981	0.969	0.948	0.901	0.918	0.926	0.940	0.961
Electric Equip	1.000	1.011	1.016	1.008	0.994	1.013	1.021	1.037	1.060
Motor Vehicles	1.000	1.023	1.048	1.061	1.070	1.090	1.099	1.116	1.141
Rest Trans Equip	1.000	1.027	1.049	1.068	1.081	1.102	1.110	1.128	1.152
Instruments	1.000	1.020	1.030	1.045	1.053	1.073	1.081	1.098	1.122
Misc. Manufact	1.000	1.016	1.032	1.053	1.069	1.089	1.098	1.115	1.140
Food	1.000	1.016	1.029	1.042	1.094	1.115	1.123	1.141	1.166
Tobacco Manuf	1.000	0.954	0.836	0.860	0.883	0.900	0.907	0.921	0.941
Textiles	1.000	0.996	0.996	1.025	1.038	1.057	1.066	1.082	1.106
Apparel	1.000	1.009	1.013	1.020	1.039	1.059	1.067	1.084	1.108
Paper	1.000	0.988	1.023	1.243	1.154	1.176	1.185	1.204	1.230
Printing	1.000	1.031	1.058	1.119	1.161	1.182	1.192	1.210	1.237
Chemicals	1.000	1.009	1.031	1.130	1.147	1.168	1.178	1.196	1.222
Petro Products	1.000	0.965	0.930	0.960	1.088	1.108	1.117	1.135	1.159
Rubber	1.000	1.011	1.025	1.073	1.072	1.092	1.100	1.118	1.142
Leather	1.000	1.019	1.046	1.087	1.071	1.091	1.099	1.117	1.141
Mining	1.000	1.000	0.962	0.961	0.971	0.990	0.997	1.013	1.035
Construction	1.000	1.038	1.081	1.124	1.146	1.168	1.177	1.195	1.222
Railroad	1.000	1.009	1.017	1.016	1.015	1.034	1.042	1.058	1.081
Trucking	1.000	1.005	1.048	1.076	1.111	1.132	1.141	1.159	1.184
Local/Interurban	1.000	1.009	0.997	1.013	1.067	1.087	1.095	1.112	1.137
Air Transportation	1.000	1.036	1.016	1.039	1.052	1.071	1.080	1.097	1.121
Other Transport	1.000	1.023	1.054	1.115	1.151	1.172	1.182	1.200	1.226
Communication	1.000	1.010	1.040	1.055	1.092	1.113	1.122	1.139	1.164
Public Utilities	1.000	1.026	1.040	1.051	1.054	1.074	1.083	1.100	1.124
Banking	1.000	1.056	1.126	1.202	1.298	1.323	1.333	1.354	1.384
Insurance	1.000	1.103	1.169	1.215	1.258	1.282	1.292	1.312	1.341
Credit & Finance	1.000	0.946	0.921	0.863	0.834	0.850	0.856	0.870	0.889
Real Estate	1.000	1.028	1.057	1.091	1.125	1.146	1.155	1.173	1.199
Eating & Drinking	1.000	1.019	1.038	1.062	1.089	1.109	1.118	1.136	1.161
Rest of Retail	1.000	1.014	1.030	1.045	1.053	1.072	1.081	1.098	1.122
Wholesale Trade	1.000	1.011	1.026	1.056	1.073	1.093	1.101	1.119	1.143
Hotels	1.000	1.028	1.059	1.104	1.166	1.188	1.197	1.216	1.243
Pers Serv & Rep	1.000	1.053	1.086	1.146	1.179	1.201	1.211	1.230	1.257
Private Household	1.000	1.032	1.066	1.102	1.145	1.166	1.176	1.194	1.220
Auto Rep/Serv	1.000	1.046	1.087	1.121	1.231	1.254	1.264	1.284	1.312
Misc. Bus Serv	1.000	0.996	1.026	1.080	1.105	1.126	1.135	1.152	1.178
Amusem & Recr	1.000	1.028	1.063	1.099	1.139	1.161	1.170	1.188	1.214
Motion Pictures	1.000	1.015	1.058	1.097	1.150	1.171	1.181	1.199	1.225
Medical	1.000	1.046	1.086	1.127	1.151	1.173	1.182	1.201	1.227
Misc. Prof Serv	1.000	1.025	1.065	1.088	1.118	1.139	1.148	1.165	1.191
Education	1.000	1.028	1.060	1.105	1.134	1.155	1.164	1.183	1.209
Non-Profit Org	1.000	1.015	1.038	1.080	1.100	1.121	1.130	1.148	1.173
Agri/For/Fish Serv	1.000	1.036	1.077	1.102	1.136	1.157	1.166	1.185	1.211

## Attachment 10. Implementing Alternative Baseline, Notes and Inflators

These are the sectors used in DEIS									
Insurance									
Wholesale									
Automobile Repair & Service									
Miscellaneous Professional Services									
Miscellaneous Business Services									
Eating & Drinking Places									
Hotels									
Construction									
Petro Products									



## **Appendix C**

### **2000 Baseline Data Inputs and Outputs**

- Attachment 1    Implementing Alternative Baseline, Clark County Input.
- Attachment 2    Implementing Alternative Baseline, Nye County Input.
- Attachment 3    Implementing Alternative Baseline, Lincoln County Input.
- Attachment 4    Implementing Alternative Baseline, Rest of the State of Nevada Input.
- Attachment 5    Implementing Alternative Baseline, Clark County Output.
- Attachment 6    Implementing Alternative Baseline, Nye County Output.
- Attachment 7    Implementing Alternative Baseline, Lincoln County Output.
- Attachment 8    Implementing Alternative Baseline, Rest of the State of Nevada Output.
- Attachment 9    Implementing Alternative Baseline, All of the State of Nevada Output.
- Attachment 10   Implementing Alternative Baseline, Notes and Inflatons.

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV and CVA works		Left to be done for Clark: DOE employment and employment migration						
YMP-NTS Employment Changes					0	0	0	0.1
<b>Variable Description</b>	<b>Detail</b>	<b>PV</b>	<b>Units</b>					
<b>Clark County</b>				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Employment	Hotel sector	38	thousands		2.405	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11 [This PV should be negative]	Percent			0.033	0.067	0.1
State and local government spending (amount)	transit utilities	T344	2000 US			105.24	105.24	105.24
Government spending (amount)	state and local	179	2000 US \$ (M)			-73.6	-73.6	-73.6
<b>Clark County Inputs</b>								
Employment	Hotel sector	38	thousands	0.000	2.405	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	Labor force and dependents	D11	Percent	0.0000	0.0000	-0.0330	-0.0670	-0.1000
State and local government spending (amount)	transit utilities	T344	(M)	0.0000	0.0000	89.0392	89.0392	89.0392
Government spending (amount)	state and local	179	(M)	0.0000	0.0000	-62.2699	-62.2699	-62.2699
SIC 87 (REMI 46, Miscellaneous Professional Services)		46	Thousands	0.000	0.115	0.115	0.115	0.115
SIC 91,95,96 (REMI 51, Federal Government, Civilian)		51	Thousands	0.000	-0.019	-0.019	-0.019	-0.019
SIC 73 (REMI 42, Miscellaneous Business Services)		42	Thousands	0.000	-0.003	-0.003	-0.003	-0.003
SIC 58 (REMI 35, Eating and Drinking )		35	Thousands	0.000	-0.001	-0.001	-0.001	-0.001
REMI Econ Migration Number		D10	Thousands	46.150	51.524	24.599	21.729	20.445
<b>Calculation for number of econ migrants needed</b>				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Clark County/ UNLV target projections (w/ 2000 Census)				1268.394	1375.765	1449.557	1516.463	1577.825
REMI projections after DETR & other updates (except econ mig)				1227.234	1293.895	1355.181	1412.294	1465.469
Difference (County less REMI)				41.16	81.8698	94.376	104.169	112.356
REMI Econ Migration Number				46.150	51.524	24.599	21.729	20.445
Test results: Clark cnty pop output after siml	Level (1000)			1268.394	1375.766	1449.56	1516.48	1577.838
Test difference: Clark cnty target less econ mig-adjusted REMI				0.000	-0.001	-0.003	-0.017	-0.013

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV and CVA works									
YMP-NTS Employment Changes	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4
<b>Variable Description</b>									
<b>Clark County</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	0.133	0.167	0.2	0.233	0.267	0.3	0.333	0.367	0.4
State and local government spending (amount)	105.24	105.24	192.3	192.3	192.3	192.3	192.3	96.15	96.15
Government spending (amount)	-73.6	-73.6	-134.6	-134.6	-134.6	-134.6	-134.6	-64.8	-64.8
<b>Clark County Inputs</b>									
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	-0.1330	-0.1670	-0.2000	-0.2330	-0.2670	-0.3000	-0.3330	-0.3670	-0.4000
State and local government spending (amount)	89.0392	89.0392	162.6971	162.6971	162.6971	162.6971	162.6971	81.3485	81.3485
Government spending (amount)	-62.2699	-62.2699	-113.8795	-113.8795	-113.8795	-113.8795	-113.8795	-54.8246	-54.8246
SIC 87 (REMI 46, Miscellaneous Professional Services)	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
SIC 91,95,96 (REMI 51, Federal Government, Civilian)	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
SIC 73 (REMI 42, Miscellaneous Business Services)	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
SIC 58 (REMI 35, Eating and Drinking )	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
REMI Econ Migration Number	18.480	16.270	13.710	11.750	10.718	9.800	7.650	6.340	5.790
<b>Calculation for number of econ migrants needed</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Clark County/ UNLV target projections (w/ 2000 Census)	1633.84	1685.186	1731.952	1775.265	1816.114	1855.181	1892.484	1929.309	1965.606
REMI projections after DETR & other updates (except econ mig)	1515.353	1562.521	1607.259	1649.867	1690.601	1730.033	1769.22	1808.578	1847.568
Difference (County less REMI)	118.487	122.665	124.693	125.398	125.513	125.148	123.264	120.731	118.0383
REMI Econ Migration Number	18.480	16.270	13.710	11.750	10.718	9.800	7.650	6.340	5.790
Test results: Clark cnty pop output after siml	1633.844	1685.159	1731.966	1775.261	1816.118	1855.223	1892.536	1929.346	1965.614
Test difference: Clark cnty target less econ mig-adjusted REMI	-0.004	0.027	-0.014	0.004	-0.004	-0.042	-0.052	-0.037	-0.008

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV and CVA works									
YMP-NTS Employment Changes	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7
<b>Variable Description</b>									
<b>Clark County</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	0.433	0.467	0.5	0.533	0.567	0.6	0.633	0.667	0.7
State and local government spending (amount)	96.15	96.15	96.15	96.15	96.15	96.15	96.15	96.15	
Government spending (amount)	-64.8	-64.8	-64.8	-64.8	-64.8	-64.8	-64.8	-64.8	
<b>Clark County Inputs</b>									
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	-0.4330	-0.4670	-0.5000	-0.5330	-0.5670	-0.6000	-0.6330	-0.6670	-0.7000
State and local government spending (amount)	81.3485	81.3485	81.3485	81.3485	81.3485	81.3485	81.3485	81.3485	0.0000
Government spending (amount)	-54.8246	-54.8246	-54.8246	-54.8246	-54.8246	-54.8246	-54.8246	-54.8246	0.0000
SIC 87 (REMI 46, Miscellaneous Professional Services)	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
SIC 91,95,96 (REMI 51, Federal Government, Civilian)	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
SIC 73 (REMI 42, Miscellaneous Business Services)	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
SIC 58 (REMI 35, Eating and Drinking )	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
REMI Econ Migration Number	5.350	4.880	4.690	4.470	4.095	3.700	3.310	2.810	1.880
<b>Calculation for number of econ migrants needed</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Clark County/ UNLV target projections (w/ 2000 Census)	2000.803	2034.937	2068.015	2100.161	2131.6	2162.438	2192.874	2223.096	2253.365
REMI projections after DETR & other updates (except econ mig)	1885.725	1923.045	1959.485	1995.132	2030.194	2064.745	2098.938	2133.01	2167.551
Difference (County less REMI)	115.0784	111.8921	108.53	105.029	101.406	97.693	93.936	90.086	85.814
REMI Econ Migration Number	5.350	4.880	4.690	4.470	4.095	3.700	3.310	2.810	1.880
Test results: Clark cnty pop output after siml	2000.861	2034.958	2068.053	2100.23	2131.651	2162.45	2192.843	2223.042	2253.345
Test difference: Clark cnty target less econ mig-adjusted REMI	-0.058	-0.021	-0.038	-0.069	-0.051	-0.012	0.031	0.054	0.020

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV and CVA works									
YMP-NTS Employment Changes	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1
<b>Variable Description</b>									
<b>Clark County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	0.733	0.767	0.8	0.833	0.867	0.9	0.933	0.967	1
State and local government spending (amount)									
Government spending (amount)									
<b>Clark County Inputs</b>									
Employment	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	-0.7330	-0.7670	-0.8000	-0.8330	-0.8670	-0.9000	-0.9330	-0.9670	-1.0000
State and local government spending (amount)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SIC 87 (REMI 46, Miscellaneous Professional Services)	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
SIC 91,95,96 (REMI 51, Federal Government, Civilian)	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
SIC 73 (REMI 42, Miscellaneous Business Services)	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
SIC 58 (REMI 35, Eating and Drinking )	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
REMI Econ Migration Number	0.900	-0.150	-1.050	-1.900	-2.900	-3.750	-4.600	-5.300	-5.900
<b>Calculation for number of econ migrants needed</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Clark County/ UNLV target projections (w/ 2000 Census)	2284.003	2315.004	2346.437	2378.399	2411.079	2444.754	2479.369	2514.795	2550.96
REMI projections after DETR & other updates (except econ mig)	2202.796	2238.662	2275.128	2312.246	2350.187	2389.257	2429.361	2470.237	2511.795
Difference (County less REMI)	81.207	76.342	71.309	66.153	60.892	55.497	50.008	44.558	39.165
REMI Econ Migration Number	0.900	-0.150	-1.050	-1.900	-2.900	-3.750	-4.600	-5.300	-5.900
Test results: Clark cnty pop output after siml	2284.036	2315.019	2346.429	2378.426	2411.047	2444.757	2479.391	2514.807	2550.975
Test difference: Clark cnty target less econ mig-adjusted REMI	-0.033	-0.015	0.008	-0.027	0.032	-0.003	-0.022	-0.012	-0.015

### Attachment 1. Implementing Alternative Baseline, Clark County Input.

Adjustments from UNLV and CVA works					
YMP-NTS Employment Changes	1	1	1.1	1.1	1.1
<b>Variable Description</b>					
<b>Clark County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	1.033	1.067	1.1	1.133	1.167
State and local government spending (amount)					
Government spending (amount)					
<b>Clark County Inputs</b>					
Employment	2.128	2.128	2.128	2.128	2.128
Non pecuniary (Amenity) aspects (relative to wage)	-1.0330	-1.0670	-1.1000	-1.1330	-1.1670
State and local government spending (amount)	0.0000	0.0000	0.0000	0.0000	0.0000
Government spending (amount)	0.0000	0.0000	0.0000	0.0000	0.0000
SIC 87 (REMI 46, Miscellaneous Professional Services)	0.115	0.115	0.115	0.115	0.115
SIC 91,95,96 (REMI 51, Federal Government, Civilian)	-0.019	-0.019	-0.019	-0.019	-0.019
SIC 73 (REMI 42, Miscellaneous Business Services)	-0.003	-0.003	-0.003	-0.003	-0.003
SIC 58 (REMI 35, Eating and Drinking )	-0.001	-0.001	-0.001	-0.001	-0.001
REMI Econ Migration Number	-6.400	-6.900	-7.390	-7.775	-8.230
<b>Calculation for number of econ migrants needed</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Clark County/ UNLV target projections (w/ 2000 Census)	2587.889	2625.787	2664.57	2703.97	2743.671
REMI projections after DETR & other updates (except econ mig)	2553.939	2596.959	2640.772	2685.134	2729.804
Difference (County less REMI)	33.95	28.828	23.798	18.836	13.867
REMI Econ Migration Number	-6.400	-6.900	-7.390	-7.775	-8.230
Test results: Clark cnty pop output after siml	2587.909	2625.807	2664.568	2703.977	2743.684
Test difference: Clark cnty target less econ mig-adjusted REMI	-0.020	-0.020	0.002	-0.007	-0.013

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel							
Adjustments from YMP/NTS							
Variable Description	Detail	PV	Units				
<b>Nye County</b>				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Employment -Misc Professional Serv		46	Thousands	0.000	0.0213	0.0213	0.0213
Employment - Fed Govt Civ		51	Thousands	0.000	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv		42	Thousands	0.000	0.0051	0.0051	0.0051
Employment - Mining		22	Thousands	0.000	-0.050	-0.100	-0.057
Employment - Hotel		38	Thousands	0.000	0.000	0.068	0.068
REMI Econ Migration Number (to include latest nye update)		D10	Thousands	-0.359	0.523	0.592	0.621
Mining employment development							
				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Metal mining (REMI)					1.024	0.953	0.91
Metal mining (REMI)					1,024	953	910
Loss of Bullfrog Mine Jobs (Cauliflower)					-50	-100	-100
Metal Mining Jobs					974	853	810
Number needed to be added to							
Maintain employment at 2001 level through 2010				0	0	0	43
No changes thereafter (From PIC 1998)							
Total Mine adjustment				0	-50	-100	-57
				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Nye County/ PIC Projections (1998 report)				35.820	37.990	39.960	41.820
Census Bureau - 2000					32.485		41.820
Difference ('98-99); Needed increase 2000 on					5.505		
Nye County Target Population				30.315	32.485	34.455	36.315
					21.46%	10.69%	11.67%
				-0.050	0.027	0.127	0.155
				0.309	-0.496	-0.465	-0.466
Econ migrants (levels) from simulation				1.084	1.590	1.442	1.329
Total econ migrants: Standard regional control				1.393	1.094	0.977	0.863

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel							
Adjustments from YMP/NTS							
<b>Variable Description</b>							
<b>Nye County</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Employment -Misc Professional Serv	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
Employment - Fed Govt Civ	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
Employment - Mining	-0.025	0.001	0.021	0.038	0.052	0.062	0.091
Employment - Hotel	0.068	0.068	0.068	0.068	0.068	0.068	0.068
REMI Econ Migration Number (to include latest nye update)	0.616	0.646	0.643	0.640	0.645	0.644	0.670
Mining employment development							
	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Metal mining (REMI)	0.878	0.852	0.832	0.815	0.801	0.791	0.762
Metal mining (REMI)	878	852	832	815	801	791	762
Loss of Bullfrog Mine Jobs (Cauliflower)	-100	-100	-100	-100	-100	-100	-100
Metal Mining Jobs	778	752	732	715	701	691	662
Number needed to be added to							
Maintain employment at 2001 level through 2010	75	101	121	138	152	162	191
No changes thereafter (From PIC 1998)							
Total Mine adjustment	-25	1	21	38	52	62	91
	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Nye County/ PIC Projections (1998 report)	43.560	45.220	46.800	48.310	49.760	51.160	
Census Bureau - 2000	43.560	45.220	46.800	48.310	49.760	51.160	0.000
Difference ('98-99); Needed increase 2000 on							
Nye County Target Population	38.055	39.715	41.295	42.805	44.255	45.655	
	10.31%	7.88%	5.05%	5.32%	4.84%	4.43%	5.15%
	0.178	0.229	0.272	0.317	0.362	0.366	0.412
	-0.438	-0.417	-0.371	-0.323	-0.283	-0.278	-0.258
Econ migrants (levels) from simulation	1.212	1.13	1.048	0.964	0.893	0.861	0.811
Total econ migrants: Standard regional control	0.774	0.713	0.677	0.641	0.610	0.583	0.553



## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel							
Adjustments from YMP/NTS							
<b>Variable Description</b>							
<b>Nye County</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Employment -Misc Professional Serv	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
Employment - Fed Govt Civ	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
Employment - Mining	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Employment - Hotel	0.068	0.068	0.068	0.068	0.068	0.068	0.068
REMI Econ Migration Number (to include latest nye update)	0.697	0.724	0.753	0.784	0.815	0.847	0.881
Mining employment development							
	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Metal mining (REMI)	0.739	0.719	0.703	0.688	0.677	0.665	0.652
Metal mining (REMI)	739	719	703	688	677	665	652
Loss of Bullfrog Mine Jobs (Cauliflower)	-100	-100	-100	-100	-100	-100	-100
Metal Mining Jobs	639	619	603	588	577	565	552
Number needed to be added to							
Maintain employment at 2001 level through 2010	214	214	214	214	214	214	214
No changes thereafter (From PIC 1998)							
Total Mine adjustment	114	114	114	114	114	114	114
	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Nye County/ PIC Projections (1998 report)							
Census Bureau - 2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Difference ('98-99); Needed increase 2000 on							
Nye County Target Population							
	4.52%	6.25%	9.49%	10.27%	9.45%	9.07%	11.78%
	0.454						
	-0.243						
Econ migrants (levels) from simulation	0.771						
Total econ migrants: Standard regional control	0.528	0.495	0.448	0.402	0.364	0.331	0.292

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel							
Adjustments from YMP/NTS							
<b>Variable Description</b>							
<b>Nye County</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Employment -Misc Professional Serv	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
Employment - Fed Govt Civ	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
Employment - Mining	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Employment - Hotel	0.068	0.068	0.068	0.068	0.068	0.068	0.068
REMI Econ Migration Number (to include latest nye update)	0.917	0.953	0.991	1.031	1.072	1.115	1.160
Mining employment development							
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Metal mining (REMI)	0.642	0.63	0.621	0.608	0.597	0.585	0.575
Metal mining (REMI)	642	630	621	608	597	585	575
Loss of Bullfrog Mine Jobs (Cauliflower)	-100	-100	-100	-100	-100	-100	-100
Metal Mining Jobs	542	530	521	508	497	485	475
Number needed to be added to							
Maintain employment at 2001 level through 2010	214	214	214	214	214	214	214
No changes thereafter (From PIC 1998)							
Total Mine adjustment	114	114	114	114	114	114	114
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Nye County/ PIC Projections (1998 report)							
Census Bureau - 2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Difference ('98-99); Needed increase 2000 on							
Nye County Target Population							
	9.93%	10.65%	10.64%	10.95%	13.37%	9.88%	7.53%
Econ migrants (levels) from simulation							
Total econ migrants: Standard regional control	0.263	0.235	0.210	0.187	0.162	0.146	0.135

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel							
Adjustments from YMP/NTS							
<b>Variable Description</b>							
<b>Nye County</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment -Misc Professional Serv	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
Employment - Fed Govt Civ	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
Employment - Mining	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Employment - Hotel	0.068	0.068	0.068	0.068	0.068	0.068	0.068
REMI Econ Migration Number (to include latest nye update)	1.206	1.254	1.305	1.357	1.411	1.468	1.526
Mining employment development							
	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Metal mining (REMI)	0.564	0.554	0.547	0.54	0.534	0.528	0.523
Metal mining (REMI)	564	554	547	540	534	528	523
Loss of Bullfrog Mine Jobs (Cauliflower)	-100	-100	-100	-100	-100	-100	-100
Metal Mining Jobs	464	454	447	440	434	428	423
Number needed to be added to							
Maintain employment at 2001 level through 2010	214	214	214	214	214	214	214
No changes thereafter (From PIC 1998)							
Total Mine adjustment	114	114	114	114	114	114	114
	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Nye County/ PIC Projections (1998 report)							
Census Bureau - 2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Difference ('98-99); Needed increase 2000 on							
Nye County Target Population							
	7.41%	10.40%	11.61%	4.04%	6.32%	12.36%	12.82%
Econ migrants (levels) from simulation							
Total econ migrants: Standard regional control	0.125	0.112	0.099	0.095	0.089	0.078	0.068

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Adjustments from mining/hotel					
Adjustments from YMP/NTS					
<b>Variable Description</b>					
<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment -Misc Professional Serv	0.0213	0.0213	0.0213	0.0213	0.0213
Employment - Fed Govt Civ	-0.0060	-0.0060	-0.0060	-0.0060	-0.0060
Employment -Misc Business Serv	0.0051	0.0051	0.0051	0.0051	0.0051
Employment - Mining	0.114	0.114	0.114	0.114	0.114
Employment - Hotel	0.068	0.068	0.068	0.068	0.068
REMI Econ Migration Number (to include latest nye update)	1.587	1.651	1.717	1.785	1.857
Mining employment development					
	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Metal mining (REMI)	0.522	0.521	0.52	0.519	0.518
Metal mining (REMI)	522	521	520	519	518
Loss of Bullfrog Mine Jobs (Cauliflower)	-100	-100	-100	-100	-100
Metal Mining Jobs	422	421	420	419	418
Number needed to be added to					
Maintain employment at 2001 level through 2010	214	214	214	214	214
No changes thereafter (From PIC 1998)					
Total Mine adjustment	114	114	114	114	114
	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Nye County/ PIC Projections (1998 report)					
Census Bureau - 2000	0.000	0.000	0.000	0.000	0.000
Difference ('98-99); Needed increase 2000 on					
Nye County Target Population					
	5.88%	-9.38%	-11.43%	0.00%	6.41%
Econ migrants (levels) from simulation					
Total econ migrants: Standard regional control	0.064	0.070	0.078	0.078	0.073

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed				1999	2000	2001	2002
Nye County Target				30.315	32.485	34.455	36.315
REMI projections after DETR & other updates (except econ mig)				30.627	32.29039	33.77169	35.169808
Difference (County target less REMI)				-0.312	0.195	0.683	1.145
REMI Econ Migration Number (to include latest nye update)				-0.359	0.523	0.592	0.621
Test results: Nye cnty pop output after siml	Level (1000)			30.3154	32.4852	34.4553	36.315
Test difference: Nye cnty target less econ mig adjusted REMI				0.000	0.000	0.000	0.000
Rate of Growth					7.16%	6.06%	5.40%
Graphic for Nye County Pop Projectionn							
			1998	1999	2000	2001	2002
Nye County/ PIC Projections w latest adjustments				30.315	32.485	34.455	36.315
Nye County REMI fully adjusted pop				30.3154	32.4852	34.4553	36.315
Nye County St Demographer Projections			30.410	32.710	35.050	37.340	39.880
Rate of growth: PIC					7.16%	6.06%	5.40%
Rate of growth: REMI					7.16%	6.06%	5.40%
Rate of growth: Demographer					7.15%	6.53%	6.80%

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed	2003	2004	2005	2006	2007	2008	2009
Nye County Target	38.055	39.715	41.295	42.805	44.255	45.655	
REMI projections after DETR & other updates (except econ mig)	36.50343	37.7696	38.9958	40.1855	41.3402	42.4725	43.5847
Difference (County target less REMI)	1.552	1.945	2.299	2.620	2.915	3.183	
REMI Econ Migration Number (to include latest nye update)	0.616	0.646	0.643	0.640	0.645	0.644	0.670
Test results: Nye cnty pop output after siml	38.055	39.715	41.295	42.805	44.255	45.655	47.036
Test difference: Nye cnty target less econ mig adjusted REMI	0.000	0.000	0.000	0.000	0.000	0.000	
Rate of Growth	4.79%	4.36%	3.98%	3.66%	3.39%	3.16%	3.02%
Graphic for Nye County Pop Projectiosn							
	2003	2004	2005	2006	2007	2008	2009
Nye County/ PIC Projections w latest adjustments	38.055	39.715	41.295	42.805	44.255	45.655	
Nye County REMI fully adjusted pop	38.055	39.715	41.295	42.805	44.255	45.655	47.036
Nye County St Demographer Projections	41.890	44.080	45.750	47.510	48.820	50.380	52.080
Rate of growth: PIC	4.79%	4.36%	3.98%	3.66%	3.39%	3.16%	
Rate of growth: REMI	4.79%	4.36%	3.98%	3.66%	3.39%	3.16%	3.02%
Rate of growth: Demographer	5.04%	5.23%	3.79%	3.85%	2.76%	3.20%	3.37%

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed	2010	2011	2012	2013	2014	2015	2016
Nye County Target							
REMI projections after DETR & other updates (except econ mig)	44.6838	45.7407	46.7498	47.7173	48.6538	49.5634	50.4407
Difference (County target less REMI)							
		0.7174469	0.7389703	0.7611394	0.7839736	0.8074928	0.8317176
REMI Econ Migration Number (to include latest nye update)	0.697	0.724	0.753	0.784	0.815	0.847	0.881
Test results: Nye cnty pop output after siml	48.407	49.737	51.018	52.254	53.453	54.621	55.752
Test difference: Nye cnty target less econ mig adjusted REMI							
Rate of Growth	2.91%	2.75%	2.58%	2.42%	2.29%	2.19%	2.07%
Graphic for Nye County Pop Projectiosn							
	2010	2011	2012	2013	2014	2015	2016
Nye County/ PIC Projections w latest adjustments							
Nye County REMI fully adjusted pop	48.407	49.737	51.018	52.254	53.453	54.621	55.752
Nye County St Demographer Projections	53.720	55.280	56.820	58.360	59.810	61.290	62.800
Rate of growth: PIC							
Rate of growth: REMI	2.91%	2.75%	2.58%	2.42%	2.29%	2.19%	2.07%
Rate of growth: Demographer	3.15%	2.90%	2.79%	2.71%	2.48%	2.47%	2.46%

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed	2017	2018	2019	2020	2021	2022	2023
Nye County Target							
REMI projections after DETR & other updates (except econ mig)	51.2983	52.1387	52.9659	53.7842	54.5932	55.4004	56.2085
Difference (County target less REMI)							
	0.8566691	0.8823692	0.9088403	0.9361055	0.9641887	0.9931143	1.0229077
REMI Econ Migration Number (to include latest nye update)	0.917	0.953	0.991	1.031	1.072	1.115	1.160
Test results: Nye cnty pop output after siml	56.858	57.943	59.015	60.083	61.148	62.22	63.304
Test difference: Nye cnty target less econ mig adjusted REMI							
Rate of Growth	1.98%	1.91%	1.85%	1.81%	1.77%	1.75%	1.74%
Graphic for Nye County Pop Projectiosn							
	2017	2018	2019	2020	2021	2022	2023
Nye County/ PIC Projections w latest adjustments							
Nye County REMI fully adjusted pop	56.858	57.943	59.015	60.083	61.148	62.22	63.304
Nye County St Demographer Projections	64.290	65.750					
Rate of growth: PIC							
Rate of growth: REMI	1.98%	1.91%	1.85%	1.81%	1.77%	1.75%	1.74%
Rate of growth: Demographer	2.37%	2.27%					



## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed	2024	2025	2026	2027	2028	2029	2030
Nye County Target							
REMI projections after DETR & other updates (except econ mig)	57.0204	57.8352	58.6531	59.4787	60.3099	61.1419	61.9739
Difference (County target less REMI)							
	1.053595	1.0852028	1.1177589	1.1512917	1.1858304	1.2214053	1.2580475
REMI Econ Migration Number (to include latest nye update)	1.206	1.254	1.305	1.357	1.411	1.468	1.526
Test results: Nye cnty pop output after siml	64.403	65.516	66.647	67.801	68.976	70.168	71.377
Test difference: Nye cnty target less econ mig adjusted REMI							
Rate of Growth	1.74%	1.73%	1.73%	1.73%	1.73%	1.73%	1.72%
Graphic for Nye County Pop Projectiosn							
	2024	2025	2026	2027	2028	2029	2030
Nye County/ PIC Projections w latest adjustments							
Nye County REMI fully adjusted pop	64.403	65.516	66.647	67.801	68.976	70.168	71.377
Nye County St Demographer Projections							
Rate of growth: PIC							
Rate of growth: REMI	1.74%	1.73%	1.73%	1.73%	1.73%	1.73%	1.72%
Rate of growth: Demographer							

## Attachment 2. Implementing Alternative Baseline, Nye County Input.

Calculation for number of economic migrants needed	2031	2032	2033	2034	2035
Nye County Target					
REMI projections after DETR & other updates (except econ mig)	62.8097	63.6571	64.5136	65.374	66.2347
Difference (County target less REMI)					
	1.2957889	1.3346626	1.3747025	1.4159435	1.4584219
REMI Econ Migration Number (to include latest nye update)	1.587	1.651	1.717	1.785	1.857
Test results: Nye cnty pop output after siml	72.6	73.855	75.15	76.459	77.788
Test difference: Nye cnty target less econ mig adjusted REMI					
Rate of Growth	1.71%	1.73%	1.75%	1.74%	1.74%
Graphic for Nye County Pop Projectionn					
	2031	2032	2033	2034	2035
Nye County/ PIC Projections w latest adjustments					
Nye County REMI fully adjusted pop	72.6	73.855	75.15	76.459	77.788
Nye County St Demographer Projections					
Rate of growth: PIC					
Rate of growth: REMI	1.71%	1.73%	1.75%	1.74%	1.74%
Rate of growth: Demographer					

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
Variable Description	Detail	PV	Units	1999	2000	2001	2002	2003
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number		D10	Thousands	-0.114	-0.062	-0.061	-0.060	-0.066
<b>Calculation for number of economic migrants needed</b>				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Lincoln Cnty target: Demog Proj w census				4.162	4.165	4.167	4.170	4.173
REMI projections after employment updates				4.258	4.298	4.333	4.365	4.397
Difference (Demographer less REMI)				-0.096	-0.133	-0.166	-0.195	-0.224
REMI Econ Migration Number				-0.114	-0.062	-0.061	-0.060	-0.066
Test results: Linc cnty pop output after siml	Level (1000)			4.162	4.165	4.167	4.170	4.173
Test difference: NSDO less econ mig adjusted REMI				0.000	0.000	0.000	0.000	0.000
<b>Graphic for Lincoln County</b>								
				<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Lincoln County REMI fully adjusted pop				4.16207	4.1652	4.1671	4.1701	4.1727
Lincoln County St Demographer Projections				4.162	4.165	4.167	4.170	4.173

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
<b>Variable Description</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	-0.075	-0.085	-0.092	-0.094	-0.104	-0.111	-0.119	-0.110
<b>Calculation for number of economic migrants ne</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Lincoln Cnty target: Demog Proj w census	4.176	4.178	4.181	4.184	4.186	4.189	4.192	
REMI projections after employment updates	4.435	4.476	4.519	4.562	4.607	4.655	4.705	4.755
Difference (Demographer less REMI)	-0.259	-0.298	-0.338	-0.378	-0.421	-0.466	-0.513	-4.755
REMI Econ Migration Number	-0.075	-0.085	-0.092	-0.094	-0.104	-0.111	-0.119	-0.110
Test results: Linc cnty pop output after siml	4.176	4.178	4.181	4.184	4.186	4.189	4.192	4.206
Test difference: NSDO less econ mig adjusted REMI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Graphic for Lincoln County								
	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Lincoln County REMI fully adjusted pop	4.1759	4.178	4.1806	4.1844	4.1859	4.189	4.1919	4.2064
Lincoln County St Demographer Projections	4.176	4.178	4.181	4.184	4.186	4.189	4.192	0.000

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
<b>Variable Description</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
<b>Calculation for number of economic migrants ne</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
Lincoln Cnty target:Demog Proj w census								
REMI projections after employment updates	4.806	4.862	4.920	4.980	5.040	5.099	5.156	5.211
Difference (Demographer less REMI)	-4.806	-4.862	-4.920	-4.980	-5.040	-5.099	-5.156	
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
Test results: Linc cnty pop output after siml	4.227	4.256	4.289	4.328	4.369	4.411	4.453	4.494
Test difference: NSDO less econ mig adjusted REMI								
Graphic for Lincoln County								
	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
Lincoln County REMI fully adjusted pop	4.2265	4.2555	4.2893	4.3282	4.3691	4.411	4.4526	4.4936
Lincoln County St Demographer Projections	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
<b>Variable Description</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
<b>Calculation for number of economic migrants ne</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
Lincoln Cnty target: Demog Proj w census								
REMI projections after employment updates	5.262	5.310	5.357	5.403	5.448	5.492	5.536	5.577
Difference (Demographer less REMI)								
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
Test results: Linc cnty pop output after siml	4.532	4.570	4.607	4.644	4.681	4.717	4.753	4.787
Test difference: NSDO less econ mig adjusted REMI								
<b>Graphic for Lincoln County</b>								
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
Lincoln County REMI fully adjusted pop	4.5321	4.5697	4.607	4.6439	4.6806	4.7172	4.7531	4.787
Lincoln County St Demographer Projections								

### Attachment 3. Implementing Alternative Baseline, Lincoln County Input.

Lincoln County								
<b>Variable Description</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
<b>Calculation for number of economic migrants net</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Lincoln Cnty target: Demog Proj w census								
REMI projections after employment updates	5.618	5.661	5.702	5.743	5.783	5.823	5.867	5.912
Difference (Demographer less REMI)								
REMI Econ Migration Number	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
Test results: Linc cnty pop output after siml	4.820	4.854	4.888	4.921	4.954	4.987	5.024	5.063
Test difference: NSDO less econ mig adjusted REMI								
Graphic for Lincoln County								
	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Lincoln County REMI fully adjusted pop	4.8199	4.8543	4.8879	4.9209	4.9544	4.9871	5.0243	5.0625
Lincoln County St Demographer Projections								

# Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada								
<b>Variable Description</b>	<b>Detail</b>	<b>Units</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number		Thousands	11.360	5.685	6.225	11.334	8.490	8.720
			587,280	600,790	611,450	625,110	632,760	643,590
			587.280	600.790	611.450	625.110	632.760	643.590
<b>Calculation for number of economic migrants needed</b>			<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
Rest of Nevada Target: Census w Demog			571.792	585.842	599.232	616.252	629.125	641.404
REMI projections after employment updates			561.671	572.1578	581.727	590.7904	599.2673	607.2817
Difference (Target less REMI)			10.121	13.684	17.505	25.462	29.858	34.122
REMI Econ Migration Number			11.360	5.685	6.225	11.334	8.490	8.720
Test results: Rest NV pop output after siml	Level (1000)		571.791	585.842	599.235	616.259	629.127	641.404
Test difference: NSDO less econ mig adjusted REMI			0.001	0.000	-0.003	-0.007	-0.002	0.000
<b>Rate of population growth</b>				<b>2.46%</b>	<b>2.29%</b>	<b>2.84%</b>	<b>2.09%</b>	<b>1.95%</b>
Graphic for Rest of Nevada								
			<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
Rest of Nevada REMI fully adjusted pop			571.791	585.842	599.235	616.259	629.127	641.404
Rest of Nevada St Demographer Projections			571.792	585.842	599.232	616.252	629.125	641.404



#### Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada								
<b>Variable Description</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	7.725	8.025	8.703	7.954	10.725	13.390	11.000	11.000
	648,250	656,310	660,360	670,060	681,860	694,050	706,390	718,720
	648.250	656.310	660.360	670.060	681.860	694.050	706.390	718.720
<b>Calculation for number of economic migrants neec</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Rest of Nevada Target: Census w Demog	652.042	662.448	672.912	682.101	693.331	706.368		
REMI projections after employment updates	614.9327	622.2767	629.2999	636.0014	642.4121	648.779	655.3364	661.9727
Difference (Target less REMI)	37.109	40.171	43.612	46.100	50.919	57.589	-655.336	-661.973
REMI Econ Migration Number	7.725	8.025	8.703	7.954	10.725	13.390	11.000	11.000
Test results: Rest NV pop output after siml	652.039	662.448	672.917	682.095	693.322	706.365	716.71	726.865
Test difference: NSDO less econ mig adjusted REMI	0.003	0.000	-0.005	0.006	0.009	0.003		
<b>Rate of population growth</b>	<b>1.66%</b>	<b>1.60%</b>	<b>1.58%</b>	<b>1.36%</b>	<b>1.65%</b>	<b>1.88%</b>	<b>1.46%</b>	<b>1.42%</b>
Graphic for Rest of Nevada								
	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Rest of Nevada REMI fully adjusted pop	652.039	662.448	672.917	682.095	693.322	706.365	716.71	726.865
Rest of Nevada St Demographer Projections	652.042	662.448	672.912	682.101	693.331	706.368	0.000	0.000

#### Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada								
<b>Variable Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000
	729,900	744,440	757,100	769,880	782,250	794,330		
	729.900	744.440	757.100	769.880	782.250	794.330		
<b>Calculation for number of economic migrants need</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Rest of Nevada Target: Census w Demog								
REMI projections after employment updates	668.6607	675.4589	682.3853	689.4451	696.6654	704.0294	711.5513	719.2439
Difference (Target less REMI)	-668.661	-675.459	-682.385	-689.445	-696.665	-704.029		
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000
Test results: Rest NV pop output after siml	736.733	746.432	755.97	765.392	774.775	784.102	793.427	802.803
Test difference: NSDO less econ mig adjusted REMI								
<b>Rate of population growth</b>	<b>1.36%</b>	<b>1.32%</b>	<b>1.28%</b>	<b>1.25%</b>	<b>1.23%</b>	<b>1.20%</b>	<b>1.19%</b>	<b>1.18%</b>
Graphic for Rest of Nevada								
	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Rest of Nevada REMI fully adjusted pop	736.733	746.432	755.97	765.392	774.775	784.102	793.427	802.803
Rest of Nevada St Demographer Projections	0.000	0.000	0.000	0.000	0.000	0.000		

#### Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada								
<b>Variable Description</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
<b>Policy Variable Inputs*</b>								
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000
<b>Calculation for number of economic migrants need</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Rest of Nevada Target: Census w Demog								
REMI projections after employment updates	727.1942	735.4042	743.8534	752.5164	761.3916	770.4995	779.8415	789.3543
Difference (Target less REMI)								
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000
Test results: Rest NV pop output after siml	812.357	822.101	832.024	842.091	852.31	862.702	873.308	884.045
Test difference: NSDO less econ mig adjusted REMI								
<b>Rate of population growth</b>	<b>1.19%</b>	<b>1.20%</b>	<b>1.21%</b>	<b>1.21%</b>	<b>1.21%</b>	<b>1.22%</b>	<b>1.23%</b>	<b>1.23%</b>
Graphic for Rest of Nevada								
	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Rest of Nevada REMI fully adjusted pop	812.357	822.101	832.024	842.091	852.31	862.702	873.308	884.045
Rest of Nevada St Demographer Projections								

#### Attachment 4. Implementing Alternative Baseline, Rest of the State of Nevada Input.

Rest of Nevada							
<b>Variable Description</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
<b>Policy Variable Inputs*</b>							
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000
<b>Calculation for number of economic migrants need</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Rest of Nevada Target: Census w Demog							
REMI projections after employment updates	798.9732	808.6788	818.4233	828.2509	838.1612	848.1014	857.9874
Difference (Target less REMI)							
REMI Econ Migration Number	11.000	11.000	11.000	11.000	11.000	11.000	11.000
Test results: Rest NV pop output after siml	894.858	905.738	916.657	927.689	938.844	949.989	961.080
Test difference: NSDO less econ mig adjusted REMI							
<b>Rate of population growth</b>	<b>1.22%</b>	<b>1.22%</b>	<b>1.21%</b>	<b>1.20%</b>	<b>1.20%</b>	<b>1.19%</b>	<b>1.17%</b>
Graphic for Rest of Nevada							
	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Rest of Nevada REMI fully adjusted pop	894.858	905.738	916.657	927.689	938.844	949.989	961.08
Rest of Nevada St Demographer Projections							

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>Clark County</b>							
<b>Adjusted Regional Control</b>							
<b>Levels (after DETR update)</b>							
<b>Clark County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Total Emp (Thous)	804.574	825.448	840.173	853.617	866.262	879.571	893.662
Population (Thous)	1227.234	1292.926	1353.29	1409.98	1462.838	1512.544	1559.659
GRP (Bil 92\$)	35.583	36.744	37.841	38.815	39.801	40.818	41.868
State & Local Gov Spending (Bil 92\$)	3.248	3.418	3.593	3.809	4.018	4.221	4.421
Real Disp Pers Inc (Bil 92\$)	26.721	28.089	29.266	30.333	31.388	32.478	33.588
Residential Investment (Bil 92\$)	2.596	2.535	2.475	2.433	2.399	2.373	2.358
Opt Res Capital Stock (Bil 92\$)	47.003	48.637	50.183	51.784	53.368	54.958	56.575
Act Res Capital Stock (Bil 92\$)	29.255	31.308	33.269	35.156	36.98	38.748	40.473
Exog Emp (Thous)	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0
Manufacturing	21.511	21.463	21.431	21.426	21.492	21.553	21.608
Mining	1.561	1.458	1.396	1.362	1.337	1.318	1.304
Construction	77.441	78.124	76.684	75.709	75.344	75.148	75.152
Trans./Public Util.	40.062	40.817	41.51	42.181	42.766	43.33	43.872
Fin/Ins/Real Est	61.081	61.978	62.778	63.259	63.684	64.142	64.649
Retail Trade	133.641	138.622	141.2	142.628	143.402	144.302	145.382
Wholesale Trade	23.867	24.243	24.513	24.741	24.948	25.138	25.319
Services	360.824	371.153	380.503	388.872	396.714	405.064	413.9
Agri/For/Fish Serv	8.857	9.107	9.287	9.431	9.582	9.742	9.911
State and Local	58.023	60.541	63.049	66.087	68.973	71.714	74.346
Federal Civilian	8.426	8.461	8.375	8.314	8.255	8.195	8.134
Federal Military	8.944	9.153	9.124	9.29	9.453	9.621	9.787
Farm	0.334	0.328	0.322	0.316	0.31	0.304	0.298
Hotels	172.729	176.423	179.691	182.428	184.971	187.764	190.734
Amusem & Recr	21.677	22.644	23.537	24.225	24.848	25.445	26.043
Eating & Drinking	46.883	48.408	49.468	50.111	50.65	51.24	51.905
<b>Migrants</b>							
Total Migrants							

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Emp (Thous)	908.05	922.659	937.197	951.656	966.722	983.107	999.066	1015.049
Population (Thous)	1604.566	1647.461	1688.518	1728.323	1767.936	1807.646	1847.014	1885.661
GRP (Bil 92\$)	42.934	44.016	45.096	46.018	47.081	48.193	49.279	50.361
State & Local Gov Spending (Bil 92\$)	4.617	4.809	4.998	5.13	5.274	5.416	5.552	5.681
Real Disp Pers Inc (Bil 92\$)	34.73	35.886	37.022	38.153	39.326	40.505	41.584	42.642
Residential Investment (Bil 92\$)	2.347	2.34	2.333	2.307	2.312	2.327	2.329	2.335
Opt Res Capital Stock (Bil 92\$)	58.187	59.79	61.354	62.742	64.326	65.96	67.492	69.024
Act Res Capital Stock (Bil 92\$)	42.159	43.812	45.431	46.997	48.545	50.082	51.597	53.093
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	21.658	21.688	21.703	21.785	22.008	22.287	22.6	22.941
Mining	1.292	1.286	1.283	1.255	1.231	1.213	1.198	1.187
Construction	75.277	75.51	75.786	75.834	75.781	76.178	76.613	77.156
Trans./Public Util.	44.416	44.944	45.456	46.021	46.498	47.01	47.519	48.022
Fin/Ins/Real Est	65.174	65.711	66.237	65.994	66.009	66.07	66.082	66.067
Retail Trade	146.526	147.718	148.88	150.196	151.663	153.269	154.639	155.948
Wholesale Trade	25.488	25.645	25.783	25.879	26.071	26.285	26.484	26.676
Services	422.942	432.167	441.439	451.762	462.259	473.318	484.395	495.518
Agri/For/Fish Serv	10.085	10.26	10.44	10.683	10.973	11.278	11.572	11.867
State and Local	76.869	79.301	81.658	83.584	85.449	87.309	88.994	90.629
Federal Civilian	8.072	8.009	7.947	8.007	8.058	8.106	8.136	8.162
Federal Military	9.96	10.134	10.306	10.382	10.45	10.514	10.567	10.612
Farm	0.292	0.285	0.279	0.276	0.273	0.271	0.268	0.265
Hotels	193.72	196.698	199.639	204.332	210.264	216.469	222.826	229.282
Amusem & Recr	26.625	27.21	27.811	28.206	28.472	28.744	28.99	29.215
Eating & Drinking	52.596	53.306	54.015	54.686	55.328	56.044	56.712	57.397
<b>Migrants</b>								
<b>Total Migrants</b>								

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total Emp (Thous)	1031.214	1047.186	1062.648	1077.889	1092.17	1105.599	1118.031	1129.816
Population (Thous)	1923.558	1960.653	1997.03	2032.891	2068.3	2103.403	2138.432	2173.865
GRP (Bil 92\$)	51.454	52.53	53.574	54.62	55.596	56.534	57.422	58.277
State & Local Gov Spending (Bil 92\$)	5.808	5.929	6.046	6.164	6.274	6.381	6.486	6.591
Real Disp Pers Inc (Bil 92\$)	43.715	44.79	45.863	46.985	48.077	49.183	50.282	51.422
Residential Investment (Bil 92\$)	2.343	2.351	2.359	2.368	2.372	2.377	2.379	2.385
Opt Res Capital Stock (Bil 92\$)	70.563	72.085	73.581	75.084	76.529	77.962	79.348	80.756
Act Res Capital Stock (Bil 92\$)	54.574	56.04	57.489	58.926	60.343	61.743	63.121	64.485
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.297	23.648	23.982	24.306	24.597	24.859	25.087	25.274
Mining	1.179	1.17	1.159	1.151	1.14	1.13	1.117	1.105
Construction	77.808	78.513	79.209	79.926	80.556	81.128	81.636	82.132
Trans./Public Util.	48.523	49.005	49.453	49.875	50.243	50.553	50.814	51.025
Fin/Ins/Real Est	66.057	66.021	65.938	65.852	65.703	65.51	65.264	64.982
Retail Trade	157.236	158.468	159.58	160.648	161.523	162.235	162.765	163.218
Wholesale Trade	26.861	27.025	27.16	27.274	27.337	27.361	27.338	27.273
Services	506.757	517.988	529.021	539.988	550.54	560.645	570.246	579.42
Agri/For/Fish Serv	12.167	12.467	12.763	13.061	13.348	13.626	13.894	14.158
State and Local	92.228	93.726	95.182	96.565	97.907	99.247	100.543	101.88
Federal Civilian	8.183	8.197	8.208	8.212	8.215	8.216	8.214	8.213
Federal Military	10.656	10.698	10.735	10.776	10.808	10.839	10.866	10.892
Farm	0.263	0.26	0.257	0.255	0.252	0.25	0.247	0.245
Hotels	235.845	242.47	249.065	255.645	262.093	268.352	274.409	280.233
Amusem & Recr	29.427	29.62	29.78	29.924	30.023	30.09	30.12	30.122
Eating & Drinking	58.115	58.848	59.57	60.31	61.005	61.668	62.287	62.898
<b>Migrants</b>								
Total Migrants								

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>Clark County</b>								
<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Clark County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Total Emp (Thous)	1141.399	1152.327	1162.849	1173.176	1184.023	1196.421	1209.535	1223.42
Population (Thous)	2210.016	2246.869	2284.379	2322.596	2361.687	2401.957	2443.311	2485.497
GRP (Bil 92\$)	59.144	59.964	60.774	61.578	62.418	63.375	64.349	65.383
State & Local Gov Spending (Bil 92\$)	6.702	6.815	6.929	7.045	7.162	7.295	7.428	7.567
Real Disp Pers Inc (Bil 92\$)	52.646	53.872	55.136	56.431	57.808	59.376	60.969	62.619
Residential Investment (Bil 92\$)	2.395	2.401	2.411	2.425	2.453	2.5	2.549	2.603
Opt Res Capital Stock (Bil 92\$)	82.175	83.551	84.939	86.351	87.871	89.542	91.252	93.031
Act Res Capital Stock (Bil 92\$)	65.836	67.172	68.496	69.813	71.137	72.488	73.865	75.274
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	25.442	25.57	25.687	25.791	25.901	26.042	26.2	26.386
Mining	1.093	1.081	1.067	1.055	1.047	1.039	1.032	1.028
Construction	82.639	83.083	83.499	83.946	84.533	85.351	86.251	87.24
Trans./Public Util.	51.216	51.383	51.518	51.643	51.783	51.986	52.219	52.489
Fin/Ins/Real Est	64.729	64.442	64.153	63.857	63.602	63.45	63.333	63.254
Retail Trade	163.647	163.958	164.185	164.387	164.715	165.331	166.044	166.815
Wholesale Trade	27.179	27.038	26.868	26.672	26.481	26.309	26.137	25.976
Services	588.409	597.015	605.34	613.5	621.748	630.631	639.865	649.504
Agri/For/Fish Serv	14.425	14.684	14.939	15.194	15.46	15.756	16.061	16.376
State and Local	103.24	104.663	106.145	107.646	109.229	110.943	112.747	114.634
Federal Civilian	8.209	8.209	8.211	8.212	8.215	8.221	8.232	8.246
Federal Military	10.928	10.963	11	11.037	11.075	11.132	11.186	11.246
Farm	0.242	0.24	0.238	0.235	0.233	0.23	0.228	0.226
Hotels	285.918	291.415	296.742	301.971	307.166	312.562	318.124	323.9
Amusem & Recr	30.12	30.089	30.044	29.993	29.944	29.94	29.94	29.951
Eating & Drinking	63.525	64.121	64.705	65.295	65.951	66.742	67.585	68.474
<b>Migrants</b>								
Total Migrants								



# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>Clark County</b>						
<b>Adjusted Regional Control</b>						
<b>Levels (after DETR update)</b>						
<b>Clark County</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	1238.354	1254.735	1272.975	1292.308	1312.093	1331.943
Population (Thous)	2528.415	2571.969	2616.449	2661.792	2707.744	2754.054
GRP (Bil 92\$)	66.47	67.641	68.94	70.281	71.644	73.001
State & Local Gov Spending (Bil 92\$)	7.706	7.848	8.003	8.164	8.326	8.487
Real Disp Pers Inc (Bil 92\$)	64.32	66.115	68.084	70.119	72.189	74.261
Residential Investment (Bil 92\$)	2.665	2.741	2.829	2.916	3.001	3.08
Opt Res Capital Stock (Bil 92\$)	94.902	96.923	99.084	101.304	103.568	105.844
Act Res Capital Stock (Bil 92\$)	76.722	78.222	79.786	81.411	83.095	84.831
Exog Emp (Thous)	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0
Manufacturing	26.612	26.89	27.211	27.564	27.934	28.313
Mining	1.025	1.026	1.029	1.031	1.036	1.039
Construction	88.393	89.782	91.414	93.148	94.914	96.684
Trans./Public Util.	52.794	53.172	53.627	54.118	54.63	55.151
Fin/Ins/Real Est	63.22	63.229	63.345	63.501	63.666	63.819
Retail Trade	167.738	168.894	170.336	171.925	173.522	175.054
Wholesale Trade	25.832	25.732	25.672	25.624	25.585	25.541
Services	659.656	670.466	682.188	694.523	707.162	719.903
Agri/For/Fish Serv	16.706	17.059	17.444	17.846	18.253	18.659
State and Local	116.589	118.621	120.757	122.981	125.25	127.547
Federal Civilian	8.261	8.278	8.294	8.313	8.332	8.35
Federal Military	11.304	11.364	11.439	11.517	11.595	11.67
Farm	0.224	0.221	0.219	0.217	0.215	0.213
Hotels	329.95	336.289	343.045	350.127	357.4	364.793
Amusem & Recr	29.98	30.028	30.116	30.217	30.312	30.397
Eating & Drinking	69.446	70.535	71.77	73.091	74.441	75.787
<b>Migrants</b>						
Total Migrants						

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Clark County	1999	2000	2001	2002	2003	2004	2005
<b>Changes caused by simulation (UNLV update + DOE + Nye county) w/o Economic Migration Adjustment</b>							
Total Emp (Thous)	0	4.194	2.701	2.571	2.468	2.381	2.307
Population (Thous)	0	0.9692	1.891	2.314	2.631	2.809	2.862
GRP (Bil 92\$)	0	0.1597	0.101	0.09609	0.09216	0.08855	0.08522
State & Local Gov Spending (Bil 92\$)	0	0.002562	-0.05683	-0.05545	-0.05434	-0.05358	-0.05316
Real Disp Pers Inc (Bil 92\$)	0	0.09027	0.061	0.06097	0.06113	0.06086	0.06021
Residential Investment (Bil 92\$)	0	0.01983	0.0108	0.009428	0.008293	0.007217	0.00621
Opt Res Capital Stock (Bil 92\$)	0	0.1563	0.1046	0.1041	0.1039	0.103	0.1014
Act Res Capital Stock (Bil 92\$)	0	0.01982	0.0303	0.03923	0.0469	0.05336	0.05872
Exog Emp (Thous)	0	2.516	2.718	2.712	2.709	2.707	2.704
Exog Prod (Bil 92\$)	0	0.134	0.1611	0.1598	0.1587	0.1577	0.1568
Manufacturing	0	0.01673	0.0128	0.008976	0.005955	0.003555	0.001671
Mining	0.00E+00	-0.0001675	-0.000615	-0.000218	6.62E-05	0.0002918	0.000458
Construction	0	0.4028	0.578	0.5393	0.5096	0.4826	0.4584
Trans./Public Util.	0	0.06707	0.0352	0.03032	0.02626	0.02292	0.02003
Fin/Ins/Real Est	0	0.1395	0.08801	0.07751	0.06922	0.06193	0.05545
Retail Trade	0	0.446	0.3015	0.2771	0.2562	0.2385	0.2239
Wholesale Trade	0	0.06745	0.05274	0.04977	0.04711	0.04468	0.04251
Services	0	2.985	2.555	2.479	2.419	2.372	2.336
Agri/For/Fish Serv	0	0.0434	0.02935	0.027	0.02515	0.02356	0.02216
State and Local	0	0.04551	-0.9317	-0.8986	-0.8708	-0.8495	-0.8345
Federal Civilian	0	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	0	2.35	2.006	1.952	1.909	1.877	1.854
Amusem & Recr	0	0.02606	0.01718	0.0162	0.01555	0.01515	0.01493
Eating & Drinking	0	0.1323	0.08258	0.07478	0.06855	0.06356	0.05975

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Clark County	2006	2007	2008	2009	2010	2011	2012	2013
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	1.589	1.569	1.554	1.526	1.475	2.136	2.017	1.873
Population (Thous)	2.693	2.406	2.083	1.71	1.284	0.932	0.5537	0.0636
GRP (Bil 92\$)	0.05285	0.05083	0.04905	0.04695	0.04392	0.07372	0.06826	0.06161
State & Local Gov Spending (Bil 92\$)	-0.1041	-0.1045	-0.1051	-0.1062	-0.1075	-0.05079	-0.05191	-0.05339
Real Disp Pers Inc (Bil 92\$)	0.03999	0.03849	0.03693	0.03489	0.03205	0.05084	0.04691	0.04153
Residential Investment (Bil 92\$)	0.00117	0.0007763	0.0004232	0	-0.000514	0.003525	0.002348	0.001041
Opt Res Capital Stock (Bil 92\$)	0.067	0.06413	0.0612	0.05737	0.05242	0.08279	0.07613	0.06723
Act Res Capital Stock (Bil 92\$)	0.05896	0.0588	0.05829	0.05737	0.05595	0.05858	0.05999	0.06008
Exog Emp (Thous)	3.084	3.08	3.076	3.077	3.069	2.651	2.648	2.646
Exog Prod (Bil 92\$)	0.1912	0.1903	0.1895	0.1892	0.1885	0.1489	0.1482	0.1475
Manufacturing	0.003531	0.003078	0.00272	0.002697	0.002277	-0.002068	-0.004173	-0.006605
Mining	7.09E-04	8.36E-04	9.20E-04	1.23E-03	1.47E-03	0.001342	0.001295	0.00125
Construction	0.6451	0.628	0.6133	0.6038	0.5863	0.3493	0.3293	0.307
Trans./Public Util.	0.00491	0.003983	0.003117	0.00301	0.002308	0.01536	0.0122	0.008507
Fin/Ins/Real Est	0.03123	0.02744	0.02428	0.02102	0.01704	0.031	0.02422	0.01629
Retail Trade	0.1665	0.1612	0.1576	0.1566	0.1531	0.1954	0.1818	0.1647
Wholesale Trade	0.03841	0.03722	0.03646	0.03641	0.03598	0.0379	0.03577	0.03289
Services	2.328	2.33	2.333	2.335	2.323	2.28	2.224	2.159
Agri/For/Fish Serv	0.01555	0.01475	0.0141	0.01364	0.01292	0.0184	0.01683	0.01489
State and Local	-1.626	-1.618	-1.613	-1.628	-1.641	-0.7713	-0.7857	-0.8061
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	1.848	1.85	1.854	1.854	1.849	1.828	1.797	1.761
Amusem & Recr	0.01219	0.01357	0.01498	0.01623	0.01706	0.02059	0.01925	0.01755
Eating & Drinking	0.03883	0.03834	0.03831	0.03912	0.03909	0.05739	0.05395	0.04958

# **Attachment 5. Implementing Alternative Baseline, Clark County Output.**

<b>Clark County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	1.715	1.549	1.376	1.197	1.012	0.819	0.62	1.02
Population (Thous)	-0.5131	-1.168	-1.898	-2.697	-3.555	-4.465	-5.422	-6.314
GRP (Bil 92\$)	0.05433	0.04658	0.03853	0.03017	0.02157	0.01273	0.003635	0.02385
State & Local Gov Spending (Bil 92\$)	-0.05513	-0.05711	-0.05933	-0.06176	-0.06436	-0.06712	-0.07002	-0.01914
Real Disp Pers Inc (Bil 92\$)	0.03528	0.02833	0.02072	0.01248	0.003757	-0.005539	-0.01527	-0.004745
Residential Investment (Bil 92\$)	-0.000277	-0.001569	-0.002826	-0.004052	-0.005219	-0.006349	-0.007422	-0.00431
Opt Res Capital Stock (Bil 92\$)	0.05695	0.04558	0.03324	0.01994	0.005974	-0.008781	-0.02409	-0.007446
Act Res Capital Stock (Bil 92\$)	0.05885	0.05636	0.05265	0.04778	0.04181	0.03482	0.02687	0.02214
Exog Emp (Thous)	2.644	2.642	2.64	2.638	2.637	2.635	2.633	2.239
Exog Prod (Bil 92\$)	0.1469	0.1462	0.1456	0.145	0.1443	0.1437	0.1431	0.1035
Manufacturing	-0.009197	-0.01187	-0.0146	-0.01738	-0.0202	-0.0231	-0.02608	-0.03272
Mining	0.001203	0.001158	0.001118	0.001076	0.00104	0.000998	0.0009644	8.44E-04
Construction	0.2845	0.2623	0.2406	0.2192	0.1986	0.1784	0.1587	-0.08387
Trans./Public Util.	0.004528	0.0003815	-0.00386	-0.008251	-0.01274	-0.01737	-0.02216	-0.01387
Fin/Ins/Real Est	0.00782	-0.000931	-0.009834	-0.0189	-0.02801	-0.03719	-0.04646	-0.0425
Retail Trade	0.1459	0.1263	0.1063	0.08592	0.06551	0.04475	0.02377	0.03885
Wholesale Trade	0.0297	0.02635	0.02298	0.01957	0.01625	0.01293	0.009665	0.008736
Services	2.088	2.013	1.935	1.854	1.769	1.681	1.587	1.46
Agri/For/Fish Serv	0.01277	0.0105	0.008099	0.005583	0.002959	0.0002213	-0.002645	0.0001144
State and Local	-0.8307	-0.8587	-0.8905	-0.9248	-0.9622	-1.002	-1.044	-0.2967
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	1.722	1.68	1.637	1.592	1.546	1.496	1.444	1.379
Amusem & Recr	0.01565	0.01363	0.01153	0.009392	0.0072	0.004946	0.002634	0.002638
Eating & Drinking	0.04477	0.03974	0.0346	0.02937	0.02403	0.01852	0.01285	0.02205

# **Attachment 5. Implementing Alternative Baseline, Clark County Output.**

<b>Clark County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	0.7777	0.5187	0.2496	-0.02661	-0.3101	-0.6073	-0.9163	-1.239
Population (Thous)	-7.22	-8.207	-9.251	-10.35	-11.5	-12.7	-13.95	-15.26
GRP (Bil 92\$)	0.01354	0.00235	-0.009323	-0.02134	-0.03371	-0.04675	-0.06031	-0.07452
State & Local Gov Spending (Bil 92\$)	-0.02189	-0.02489	-0.02806	-0.03139	-0.03487	-0.03856	-0.04242	-0.04645
Real Disp Pers Inc (Bil 92\$)	-0.01492	-0.02622	-0.03843	-0.05132	-0.06496	-0.07989	-0.09576	-0.1129
Residential Investment (Bil 92\$)	-0.005733	-0.007183	-0.008611	-0.00998	-0.01131	-0.01268	-0.01404	-0.01546
Opt Res Capital Stock (Bil 92\$)	-0.02328	-0.04066	-0.05919	-0.07854	-0.09875	-0.1205	-0.1433	-0.1677
Act Res Capital Stock (Bil 92\$)	0.01608	0.008659	-6.87E-05	-0.01002	-0.02113	-0.03345	-0.04691	-0.06158
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.103	0.1024	0.1019	0.1014	0.1009	0.1005	0.1	0.09962
Manufacturing	-0.03657	-0.04056	-0.04464	-0.04877	-0.05298	-0.05736	-0.06188	-0.06661
Mining	8.01E-04	7.54E-04	0.0007091	0.0006663	0.0006188	0.0005718	0.0005248	0.0004781
Construction	-0.1048	-0.1273	-0.15	-0.1726	-0.1953	-0.2188	-0.2429	-0.2678
Trans./Public Util.	-0.01986	-0.02623	-0.03279	-0.0395	-0.04636	-0.05357	-0.06102	-0.06878
Fin/Ins/Real Est	-0.05283	-0.06381	-0.07504	-0.08641	-0.0979	-0.1098	-0.122	-0.1346
Retail Trade	0.01405	-0.01288	-0.04089	-0.06934	-0.09811	-0.1285	-0.1597	-0.1923
Wholesale Trade	0.005171	0.001085	-0.003172	-0.007477	-0.01179	-0.01624	-0.0207	-0.02523
Services	1.332	1.197	1.056	0.9121	0.7632	0.6072	0.4445	0.2744
Agri/For/Fish Serv	-0.003363	-0.007116	-0.01105	-0.01514	-0.01936	-0.02386	-0.02858	-0.03355
State and Local	-0.3382	-0.3833	-0.431	-0.4809	-0.5333	-0.5881	-0.6455	-0.7056
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	1.304	1.226	1.144	1.06	0.9736	0.883	0.7884	0.6891
Amusem & Recr	-0.000931	-0.004627	-0.008369	-0.01209	-0.01578	-0.01954	-0.02331	-0.02712
Eating & Drinking	0.01467	0.006603	-0.001923	-0.0107	-0.01975	-0.02948	-0.03968	-0.05057

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

Clark County	2030	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV update)</b>						
Total Emp (Thous)	-1.576	-1.928	-2.301	-2.694	-3.104	-3.527
Population (Thous)	-16.62	-18.03	-19.49	-21.02	-22.61	-24.25
GRP (Bil 92\$)	-0.0894	-0.1049	-0.1215	-0.139	-0.1572	-0.176
State & Local Gov Spending (Bil 92\$)	-0.05065	-0.05501	-0.05963	-0.06447	-0.06951	-0.07474
Real Disp Pers Inc (Bil 92\$)	-0.1313	-0.1509	-0.1724	-0.1955	-0.2201	-0.2461
Residential Investment (Bil 92\$)	-0.01692	-0.01844	-0.02005	-0.02175	-0.0235	-0.02528
Opt Res Capital Stock (Bil 92\$)	-0.1937	-0.2212	-0.2508	-0.2824	-0.3157	-0.3507
Act Res Capital Stock (Bil 92\$)	-0.07748	-0.09464	-0.1131	-0.133	-0.1544	-0.1771
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.09921	0.0988	0.09842	0.09802	0.09761	0.0972
Manufacturing	-0.07158	-0.07685	-0.08247	-0.08838	-0.09455	-0.1009
Mining	4.31E-04	3.72E-04	3.11E-04	0.0002481	0.0001867	0.0001251
Construction	-0.2936	-0.3203	-0.3489	-0.379	-0.41	-0.4418
Trans./Public Util.	-0.07686	-0.08533	-0.09435	-0.1038	-0.1136	-0.1237
Fin/Ins/Real Est	-0.1475	-0.1607	-0.1747	-0.1892	-0.204	-0.2192
Retail Trade	-0.2264	-0.2618	-0.2995	-0.3394	-0.3807	-0.423
Wholesale Trade	-0.02983	-0.03449	-0.03936	-0.04434	-0.04939	-0.05443
Services	0.0957	-0.09155	-0.2908	-0.5011	-0.7208	-0.9485
Agri/For/Fish Serv	-0.03882	-0.04436	-0.05031	-0.05665	-0.06329	-0.0702
State and Local	-0.7683	-0.8336	-0.9021	-0.9738	-1.048	-1.126
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	0.5849	0.475	0.3584	0.2352	0.1063	-0.02777
Amusem & Recr	-0.031	-0.03494	-0.03901	-0.0432	-0.04742	-0.05166
Eating & Drinking	-0.06222	-0.07458	-0.08797	-0.1025	-0.1178	-0.1338

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment								
Clark County	1999	2000	2001	2002	2003	2004	2005	
Total Emp (Thous)	804.574	829.642	842.874	856.188	868.73	881.952	895.969	
Population (Thous)	1227.234	1293.8952	1355.181	1412.294	1465.469	1515.353	1562.521	
GRP (Bil 92\$)	35.583	36.9037	37.942	38.91109	39.89316	40.90655	41.95322	
State & Local Gov Spending (Bil 92\$)	3.248	3.420562	3.53617	3.75355	3.96366	4.16742	4.36784	
Real Disp Pers Inc (Bil 92\$)	26.721	28.17927	29.327	30.39397	31.44913	32.53886	33.64821	
Residential Investment (Bil 92\$)	2.596	2.55483	2.4858	2.442428	2.407293	2.380217	2.36421	
Opt Res Capital Stock (Bil 92\$)	47.003	48.7933	50.2876	51.8881	53.4719	55.061	56.6764	
Act Res Capital Stock (Bil 92\$)	29.255	31.32782	33.2993	35.19523	37.0269	38.80136	40.53172	
Exog Emp (Thous)	0	2.516	2.718	2.712	2.709	2.707	2.704	
Exog Prod (Bil 92\$)	0	0.134	0.1611	0.1598	0.1587	0.1577	0.1568	
Manufacturing	21.511	21.47973	21.4438	21.434976	21.497955	21.556555	21.609671	
Mining	1.561	1.4578325	1.3953849	1.3617818	1.3370662	1.3182918	1.304458	
Construction	77.441	78.5268	77.262	76.2483	75.8536	75.6306	75.6104	
Trans./Public Util.	40.062	40.88407	41.5452	42.21132	42.79226	43.35292	43.89203	
Fin/Ins/Real Est	61.081	62.1175	62.86601	63.33651	63.75322	64.20393	64.70445	
Retail Trade	133.641	139.068	141.5015	142.9051	143.6582	144.5405	145.6059	
Wholesale Trade	23.867	24.31045	24.56574	24.79077	24.99511	25.18268	25.36151	
Services	360.824	374.138	383.058	391.351	399.133	407.436	416.236	
Agri/For/Fish Serv	8.857	9.1504	9.31635	9.458	9.60715	9.76556	9.93316	
State and Local	58.023	60.58651	62.1173	65.1884	68.1022	70.8645	73.5115	
Federal Civilian	8.426	8.442	8.356	8.295	8.236	8.176	8.115	
Federal Military	8.944	9.153	9.124	9.29	9.453	9.621	9.787	
Farm	0.334	0.328	0.322	0.316	0.31	0.304	0.298	
Hotels	172.729	178.773	181.697	184.38	186.88	189.641	192.588	
Amusem & Recr	21.677	22.67006	23.55418	24.2412	24.86355	25.46015	26.05793	
Eating & Drinking	46.883	48.5403	49.55058	50.18578	50.71855	51.30356	51.96475	
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000) All inputs	41.16	82.84	96.27	106.5	115	121.3	125.5	
Test results: Cl cnty pop output after siml Level (1000)	1268.394	1375.766	1449.56	1516.48	1577.838	1633.844	1685.159	



### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Levels after simulation (UNLV update + migra								
Clark County	2006	2007	2008	2009	2010	2011	2012	2013
Total Emp (Thous)	909.639	924.228	938.751	953.182	968.197	985.243	1001.083	1016.922
Population (Thous)	1607.259	1649.867	1690.601	1730.033	1769.22	1808.578	1847.5677	1885.7246
GRP (Bil 92\$)	42.98685	44.06683	45.14505	46.06495	47.12492	48.26672	49.34726	50.42261
State & Local Gov Spending (Bil 92\$)	4.5129	4.7045	4.8929	5.0238	5.1665	5.36521	5.50009	5.62761
Real Disp Pers Inc (Bil 92\$)	34.76999	35.92449	37.05893	38.18789	39.35805	40.55584	41.63091	42.68353
Residential Investment (Bil 92\$)	2.34817	2.3407763	2.3334232	2.307	2.3114864	2.330525	2.331348	2.336041
Opt Res Capital Stock (Bil 92\$)	58.254	59.85413	61.4152	62.79937	64.37842	66.04279	67.56813	69.09123
Act Res Capital Stock (Bil 92\$)	42.21796	43.8708	45.48929	47.05437	48.60095	50.14058	51.65699	53.15308
Exog Emp (Thous)	3.084	3.08	3.076	3.077	3.069	2.651	2.648	2.646
Exog Prod (Bil 92\$)	0.1912	0.1903	0.1895	0.1892	0.1885	0.1489	0.1482	0.1475
Manufacturing	21.661531	21.691078	21.70572	21.787697	22.010277	22.284932	22.595827	22.934395
Mining	1.2927087	1.286836	1.2839198	1.256233	1.232473	1.214342	1.199295	1.18825
Construction	75.9221	76.138	76.3993	76.4378	76.3673	76.5273	76.9423	77.463
Trans./Public Util.	44.42091	44.947983	45.459117	46.02401	46.500308	47.02536	47.5312	48.030507
Fin/Ins/Real Est	65.20523	65.73844	66.26128	66.01502	66.02604	66.101	66.10622	66.08329
Retail Trade	146.6925	147.8792	149.0376	150.3526	151.8161	153.4644	154.8208	156.1127
Wholesale Trade	25.52641	25.68222	25.81946	25.91541	26.10698	26.3229	26.51977	26.70889
Services	425.27	434.497	443.772	454.097	464.582	475.598	486.619	497.677
Agri/For/Fish Serv	10.10055	10.27475	10.4541	10.69664	10.98592	11.2964	11.58883	11.88189
State and Local	75.243	77.683	80.045	81.956	83.808	86.5377	88.2083	89.8229
Federal Civilian	8.053	7.99	7.928	7.988	8.039	8.087	8.117	8.143
Federal Military	9.96	10.134	10.306	10.382	10.45	10.514	10.567	10.612
Farm	0.292	0.285	0.279	0.276	0.273	0.271	0.268	0.265
Hotels	195.568	198.548	201.493	206.186	212.113	218.297	224.623	231.043
Amusem & Recr	26.63719	27.22357	27.82598	28.22223	28.48906	28.76459	29.00925	29.23255
Eating & Drinking	52.63483	53.34434	54.05331	54.72512	55.36709	56.10139	56.76595	57.44658
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000) All inputs	127.4	127.8	127.6	126.9	124.6	121.7	118.6	115.2
Test results: Cl cnty pop output after siml Level (1000)	1731.966	1775.261	1816.118	1855.223	1892.536	1929.346	1965.614	2000.861



### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Levels after simulation (UNLV update + migra								
Clark County	2014	2015	2016	2017	2018	2019	2020	2021
Total Emp (Thous)	1032.929	1048.735	1064.024	1079.086	1093.182	1106.418	1118.651	1130.836
Population (Thous)	1923.0449	1959.485	1995.132	2030.194	2064.745	2098.938	2133.01	2167.551
GRP (Bil 92\$)	51.50833	52.57658	53.61253	54.65017	55.61757	56.54673	57.425635	58.30085
State & Local Gov Spending (Bil 92\$)	5.75287	5.87189	5.98667	6.10224	6.20964	6.31388	6.41598	6.57186
Real Disp Pers Inc (Bil 92\$)	43.75028	44.81833	45.88372	46.99748	48.080757	49.177461	50.26673	51.417255
Residential Investment (Bil 92\$)	2.3427232	2.349431	2.356174	2.363948	2.366781	2.370651	2.371578	2.38069
Opt Res Capital Stock (Bil 92\$)	70.61995	72.13058	73.61424	75.10394	76.534974	77.953219	79.32391	80.748554
Act Res Capital Stock (Bil 92\$)	54.63285	56.09636	57.54165	58.97378	60.38481	61.77782	63.14787	64.50714
Exog Emp (Thous)	2.644	2.642	2.64	2.638	2.637	2.635	2.633	2.239
Exog Prod (Bil 92\$)	0.1469	0.1462	0.1456	0.145	0.1443	0.1437	0.1431	0.1035
Manufacturing	23.287803	23.63613	23.9674	24.28862	24.5768	24.8359	25.06092	25.24128
Mining	1.180203	1.171158	1.160118	1.152076	1.14104	1.130998	1.1179644	1.1058442
Construction	78.0925	78.7753	79.4496	80.1452	80.7546	81.3064	81.7947	82.04813
Trans./Public Util.	48.527528	49.005382	49.44914	49.866749	50.23026	50.53563	50.79184	51.01113
Fin/Ins/Real Est	66.06482	66.020069	65.928166	65.8331	65.67499	65.47281	65.21754	64.9395
Retail Trade	157.3819	158.5943	159.6863	160.73392	161.58851	162.27975	162.78877	163.25685
Wholesale Trade	26.8907	27.05135	27.18298	27.29357	27.35325	27.37393	27.347665	27.281736
Services	508.845	520.001	530.956	541.842	552.309	562.326	571.833	580.88
Agri/For/Fish Serv	12.17977	12.4775	12.771099	13.066583	13.350959	13.626221	13.891355	14.158114
State and Local	91.3973	92.8673	94.2915	95.6402	96.9448	98.245	99.499	101.5833
Federal Civilian	8.164	8.178	8.189	8.193	8.196	8.197	8.195	8.194
Federal Military	10.656	10.698	10.735	10.776	10.808	10.839	10.866	10.892
Farm	0.263	0.26	0.257	0.255	0.252	0.25	0.247	0.245
Hotels	237.567	244.15	250.702	257.237	263.639	269.848	275.853	281.612
Amusem & Recr	29.44265	29.63363	29.79153	29.933392	30.0302	30.094946	30.122634	30.124638
Eating & Drinking	58.15977	58.88774	59.6046	60.33937	61.02903	61.68652	62.29985	62.92005
Population Changes & Levels								
Test results: CI cnty pop changes after siml Change (1000) All inputs	111.4	107.4	103.2	98.76	94.15	89.44	84.61	79.48
Test results: CI cnty pop output after siml Level (1000)	2034.958	2068.053	2100.23	2131.651	2162.45	2192.843	2223.042	2253.345

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Levels after simulation (UNLV update + migra								
Clark County	2022	2023	2024	2025	2026	2027	2028	2029
Total Emp (Thous)	1142.1767	1152.8457	1163.0986	1173.1494	1183.7129	1195.8137	1208.6187	1222.181
Population (Thous)	2202.796	2238.662	2275.128	2312.246	2350.187	2389.257	2429.361	2470.237
GRP (Bil 92\$)	59.15754	59.96635	60.764677	61.55666	62.38429	63.32825	64.28869	65.30848
State & Local Gov Spending (Bil 92\$)	6.68011	6.79011	6.90094	7.01361	7.12713	7.25644	7.38558	7.52055
Real Disp Pers Inc (Bil 92\$)	52.63108	53.84578	55.09757	56.37968	57.74304	59.29611	60.87324	62.5061
Residential Investment (Bil 92\$)	2.389267	2.393817	2.402389	2.41502	2.44169	2.48732	2.53496	2.58754
Opt Res Capital Stock (Bil 92\$)	82.15172	83.51034	84.87981	86.27246	87.77225	89.4215	91.1087	92.8633
Act Res Capital Stock (Bil 92\$)	65.85208	67.180659	68.495931	69.80298	71.11587	72.45455	73.81809	75.21242
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.103	0.1024	0.1019	0.1014	0.1009	0.1005	0.1	0.09962
Manufacturing	25.40543	25.52944	25.64236	25.74223	25.84802	25.98464	26.13812	26.31939
Mining	1.0938014	1.0817536	1.0677091	1.0556663	1.0476188	1.0395718	1.0325248	1.0284781
Construction	82.5342	82.9557	83.349	83.7734	84.3377	85.1322	86.0081	86.9722
Trans./Public Util.	51.19614	51.35677	51.48521	51.6035	51.73664	51.93243	52.15798	52.42022
Fin/Ins/Real Est	64.67617	64.37819	64.07796	63.77059	63.5041	63.3402	63.211	63.1194
Retail Trade	163.66105	163.94512	164.14411	164.31766	164.61689	165.2025	165.8843	166.6227
Wholesale Trade	27.184171	27.039085	26.864828	26.664523	26.46921	26.29276	26.1163	25.95077
Services	589.741	598.212	606.396	614.4121	622.5112	631.2382	640.3095	649.7784
Agri/For/Fish Serv	14.421637	14.676884	14.92795	15.17886	15.44064	15.73214	16.03242	16.34245
State and Local	102.9018	104.2797	105.714	107.1651	108.6957	110.3549	112.1015	113.9284
Federal Civilian	8.19	8.19	8.192	8.193	8.196	8.202	8.213	8.227
Federal Military	10.928	10.963	11	11.037	11.075	11.132	11.186	11.246
Farm	0.242	0.24	0.238	0.235	0.233	0.23	0.228	0.226
Hotels	287.222	292.641	297.886	303.031	308.1396	313.445	318.9124	324.5891
Amusem & Recr	30.119069	30.084373	30.035631	29.98091	29.92822	29.92046	29.91669	29.92388
Eating & Drinking	63.53967	64.127603	64.703077	65.2843	65.93125	66.71252	67.54532	68.42343
Population Changes & Levels								
Test results: Cl cnty pop changes after siml Change (1000) All inputs	74.02	68.15	62.05	55.83	49.36	42.8	36.08	29.31
Test results: Cl cnty pop output after siml Level (1000)	2284.036	2315.019	2346.429	2378.426	2411.047	2444.757	2479.391	2514.807

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

Levels after simulation (UNLV update + migra						
Clark County	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	1236.778	1252.807	1270.674	1289.614	1308.989	1328.416
Population (Thous)	2511.795	2553.939	2596.959	2640.772	2685.134	2729.804
GRP (Bil 92\$)	66.3806	67.5361	68.8185	70.142	71.4868	72.825
State & Local Gov Spending (Bil 92\$)	7.65535	7.79299	7.94337	8.09953	8.25649	8.41226
Real Disp Pers Inc (Bil 92\$)	64.1887	65.9641	67.9116	69.9235	71.9689	74.0149
Residential Investment (Bil 92\$)	2.64808	2.72256	2.80895	2.89425	2.9775	3.05472
Opt Res Capital Stock (Bil 92\$)	94.7083	96.7018	98.8332	101.0216	103.2523	105.4933
Act Res Capital Stock (Bil 92\$)	76.64452	78.12736	79.6729	81.278	82.9406	84.6539
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.09921	0.0988	0.09842	0.09802	0.09761	0.0972
Manufacturing	26.54042	26.81315	27.12853	27.47562	27.83945	28.2121
Mining	1.0254314	1.0263721	1.0293112	1.0312481	1.0361867	1.0391251
Construction	88.0994	89.4617	91.0651	92.769	94.504	96.2422
Trans./Public Util.	52.71714	53.08667	53.53265	54.0142	54.5164	55.0273
Fin/Ins/Real Est	63.0725	63.0683	63.1703	63.3118	63.462	63.5998
Retail Trade	167.5116	168.6322	170.0365	171.5856	173.1413	174.631
Wholesale Trade	25.80217	25.69751	25.63264	25.57966	25.53561	25.48657
Services	659.7517	670.37445	681.8972	694.0219	706.4412	718.9545
Agri/For/Fish Serv	16.66718	17.01464	17.39369	17.78935	18.18971	18.5888
State and Local	115.8207	117.7874	119.8549	122.0072	124.202	126.421
Federal Civilian	8.242	8.259	8.275	8.294	8.313	8.331
Federal Military	11.304	11.364	11.439	11.517	11.595	11.67
Farm	0.224	0.221	0.219	0.217	0.215	0.213
Hotels	330.5349	336.764	343.4034	350.3622	357.5063	364.76523
Amusem & Recr	29.949	29.99306	30.07699	30.1738	30.26458	30.34534
Eating & Drinking	69.38378	70.46042	71.68203	72.9885	74.3232	75.6532
Population Changes & Levels						
Test results: CI cnty pop changes after siml Change (1000) All inputs	22.56	15.94	9.358	2.776	-3.767	-10.37
Test results: CI cnty pop output after siml Level (1000)	2550.975	2587.909	2625.807	2664.568	2703.977	2743.684

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE							
CHANGES							
Changes caused by simulation (UNLV update + DOE + Nye county) WITH Economic Migration Adjustment							
Clark County	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	5.417	15.3	16.74	20.03	23.21	26.12	28.64
Population (Thous)	41.16	82.84	96.27	106.5	115	121.3	125.5
GRP (Bil 92\$)	0.284	0.7184	0.7694	0.8922	1.01	1.117	1.207
State & Local Gov Spending (Bil 92\$)	0.1089	0.219	0.1937	0.2258	0.2542	0.2771	0.2945
Real Disp Pers Inc (Bil 92\$)	0.3142	0.7057	0.7828	0.9117	1.037	1.152	1.253
Residential Investment (Bil 92\$)	0.07008	0.1463	0.1434	0.1532	0.1611	0.1656	0.1667
Opt Res Capital Stock (Bil 92\$)	0.5526	1.222	1.342	1.556	1.763	1.949	2.11
Act Res Capital Stock (Bil 92\$)	0.07007	0.2152	0.3551	0.5025	0.6554	0.8104	0.9641
Exog Emp (Thous)	0	2.516	2.72	2.714	2.711	2.709	2.707
Exog Prod (Bil 92\$)	0	0.1339	0.1611	0.1597	0.1586	0.1576	0.1566
Manufacturing	0.05976	0.1499	0.207	0.2724	0.3357	0.3937	0.4433
Mining	0.001951	0.00381	0.004903	0.00694	0.008652	0.01014	0.01134
Construction	0.9168	2.101	2.449	2.686	2.915	3.103	3.24
Trans./Public Util.	0.09848	0.2783	0.3349	0.4405	0.5428	0.64	0.7266
Fin/Ins/Real Est	0.5101	1.095	1.18	1.336	1.485	1.616	1.724
Retail Trade	0.4625	1.41	1.624	2.126	2.625	3.107	3.549
Wholesale Trade	0.06934	0.2057	0.2389	0.3066	0.377	0.4463	0.5106
Services	1.272	5.994	7.033	8.625	10.21	11.71	13.07
Agri/For/Fish Serv	0.07428	0.1922	0.2131	0.2537	0.2937	0.3305	0.3623
State and Local	1.951	3.889	3.477	3.995	4.44	4.784	5.028
Federal Civilian	0	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0
Hotels	0.3439	3.384	3.88	4.752	5.638	6.483	7.243
Amusem & Recr	0.02746	0.09279	0.125	0.1763	0.2281	0.2783	0.3249
Eating & Drinking	0.05578	0.2623	0.3088	0.454	0.6054	0.7575	0.9032
Changes in Migrants							
Total Migrants							

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE CLARK COUNTY OUTPUT								
CHANGES								
Changes caused by simulation (UNLV update)								
Clark County	2006	2007	2008	2009	2010	2011	2012	2013
Employment (Thous)	30.02	31.66	32.87	33.76	34.19	35.03	34.81	34.41
Population (Thous)	127.4	127.8	127.6	126.9	124.6	121.7	118.6	115.2
GRP (Bil 92\$)	1.248	1.303	1.342	1.365	1.372	1.399	1.38	1.355
State & Local Gov Spending (Bil 92\$)	0.2547	0.2614	0.2663	0.2652	0.2603	0.3109	0.3028	0.2934
Real Disp Pers Inc (Bil 92\$)	1.317	1.388	1.443	1.488	1.514	1.55	1.549	1.541
Residential Investment (Bil 92\$)	0.1598	0.1552	0.1482	0.1392	0.1283	0.1214	0.1081	0.09539
Opt Res Capital Stock (Bil 92\$)	2.207	2.312	2.392	2.447	2.476	2.525	2.514	2.494
Act Res Capital Stock (Bil 92\$)	1.108	1.246	1.374	1.491	1.595	1.691	1.772	1.839
Exog Emp (Thous)	3.089	3.085	3.081	3.082	3.074	2.653	2.651	2.648
Exog Prod (Bil 92\$)	0.1911	0.1902	0.1893	0.189	0.1883	0.1484	0.1477	0.147
Manufacturing	0.4867	0.5177	0.5385	0.5539	0.5652	0.5662	0.565	0.5608
Mining	0.01239	0.01314	0.01363	0.01403	0.01426	0.01399	0.01375	0.01349
Construction	3.527	3.565	3.559	3.532	3.432	3.091	2.945	2.793
Trans./Public Util.	0.7882	0.8519	0.9006	0.9434	0.9739	1.007	1.013	1.014
Fin/Ins/Real Est	1.786	1.847	1.89	1.901	1.893	1.89	1.853	1.811
Retail Trade	3.892	4.232	4.496	4.713	4.869	5.02	5.049	5.044
Wholesale Trade	0.5656	0.6154	0.6551	0.6865	0.7099	0.7269	0.7306	0.7274
Services	14.24	15.2	15.95	16.56	16.98	17.21	17.29	17.28
Agri/For/Fish Serv	0.3826	0.4031	0.4185	0.4311	0.4391	0.4494	0.4486	0.4454
State and Local	4.364	4.432	4.472	4.44	4.333	5.075	4.916	4.74
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	7.893	8.413	8.8	9.12	9.363	9.5	9.551	9.544
Amusem & Recr	0.3634	0.4005	0.4306	0.4526	0.4662	0.4774	0.4781	0.4759
Eating & Drinking	1.019	1.142	1.242	1.326	1.39	1.459	1.484	1.501
Changes in Migrants								
Total Migrants								

# **Attachment 5. Implementing Alternative Baseline, Clark County Output.**

THE FOLLOWING IS THE DEVELOPMENT OF THE CLARK COUNTY OUTPUT								
CHANGES								
Changes caused by simulation (UNLV update)								
Clark County	2014	2015	2016	2017	2018	2019	2020	2021
Employment (Thous)	33.9	33.32	32.67	32	31.24	30.42	29.54	29.18
Population (Thous)	111.4	107.4	103.2	98.76	94.15	89.44	84.61	79.48
GRP (Bil 92\$)	1.325	1.293	1.259	1.225	1.187	1.147	1.107	1.092
State & Local Gov Spending (Bil 92\$)	0.2826	0.2711	0.2588	0.2458	0.232	0.2178	0.2031	0.241
Real Disp Pers Inc (Bil 92\$)	1.528	1.51	1.488	1.465	1.434	1.401	1.365	1.348
Residential Investment (Bil 92\$)	0.08339	0.07212	0.0614	0.05166	0.04178	0.03249	0.02408	0.02013
Opt Res Capital Stock (Bil 92\$)	2.466	2.43	2.387	2.341	2.283	2.22	2.155	2.116
Act Res Capital Stock (Bil 92\$)	1.893	1.935	1.966	1.986	1.996	1.997	1.989	1.978
Exog Emp (Thous)	2.646	2.644	2.642	2.64	2.638	2.637	2.635	2.239
Exog Prod (Bil 92\$)	0.1463	0.1457	0.145	0.1444	0.1438	0.1432	0.1426	0.1029
Manufacturing	0.5547	0.5474	0.5392	0.5305	0.5204	0.5092	0.4967	0.4784
Mining	0.01323	0.01295	0.01266	0.0124	0.0121	0.01181	0.01148	0.01105
Construction	2.641	2.493	2.348	2.212	2.075	1.943	1.819	1.472
Trans./Public Util.	1.011	1.006	0.9972	0.9878	0.9746	0.9588	0.9409	0.9331
Fin/Ins/Real Est	1.765	1.718	1.669	1.621	1.568	1.514	1.459	1.413
Retail Trade	5.014	4.965	4.899	4.829	4.738	4.634	4.527	4.45
Wholesale Trade	0.7195	0.7077	0.6934	0.6785	0.6613	0.643	0.6242	0.6067
Services	17.21	17.11	16.98	16.82	16.62	16.38	16.09	15.71
Agri/For/Fish Serv	0.4406	0.4348	0.4279	0.4207	0.4119	0.4021	0.3916	0.3854
State and Local	4.547	4.344	4.131	3.907	3.675	3.44	3.2	3.735
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	9.499	9.434	9.358	9.272	9.171	9.051	8.904	8.71
Amusem & Recr	0.472	0.467	0.4607	0.4541	0.4455	0.4355	0.4246	0.4148
Eating & Drinking	1.51	1.514	1.513	1.511	1.502	1.488	1.473	1.471
Changes in Migrants								
Total Migrants								

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE CLARK COUNTY OUTPUT								
CHANGES								
Changes caused by simulation (UNLV update)								
Clark County	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	28.08	26.84	25.48	24.02	22.46	20.82	19.06	17.21
Population (Thous)	74.02	68.15	62.05	55.83	49.36	42.8	36.08	29.31
GRP (Bil 92\$)	1.044	0.9888	0.93	0.868	0.8018	0.7334	0.6596	0.5824
State & Local Gov Spending (Bil 92\$)	0.2245	0.2067	0.1882	0.1693	0.1497	0.13	0.1097	0.08923
Real Disp Pers Inc (Bil 92\$)	1.308	1.26	1.209	1.155	1.099	1.041	0.9774	0.9088
Residential Investment (Bil 92\$)	0.012	0.003411	-0.004877	-0.01242	-0.01955	-0.02611	-0.03296	-0.03971
Opt Res Capital Stock (Bil 92\$)	2.041	1.955	1.862	1.768	1.67	1.571	1.463	1.35
Act Res Capital Stock (Bil 92\$)	1.959	1.931	1.896	1.853	1.804	1.75	1.689	1.623
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.1023	0.1018	0.1013	0.1008	0.1003	0.09991	0.09948	0.09908
Manufacturing	0.4613	0.4412	0.419	0.3946	0.3682	0.3405	0.3107	0.2795
Mining	0.01068	0.01026	0.009812	0.009347	0.008872	0.00838	0.007862	0.007344
Construction	1.349	1.216	1.082	0.9509	0.8183	0.6881	0.5505	0.4097
Trans./Public Util.	0.9089	0.8804	0.8481	0.813	0.7748	0.7351	0.6921	0.6466
Fin/Ins/Real Est	1.351	1.283	1.212	1.139	1.063	0.9875	0.9083	0.8274
Retail Trade	4.329	4.189	4.037	3.88	3.715	3.548	3.367	3.173
Wholesale Trade	0.5857	0.5618	0.536	0.5084	0.4794	0.4492	0.4168	0.3829
Services	15.27	14.74	14.12	13.43	12.66	11.82	10.9	9.923
Agri/For/Fish Serv	0.3719	0.3559	0.3381	0.3189	0.2982	0.2763	0.2523	0.2266
State and Local	3.467	3.183	2.891	2.594	2.289	1.982	1.67	1.355
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	8.467	8.174	7.826	7.424	6.965	6.455	5.894	5.288
Amusem & Recr	0.4005	0.3841	0.366	0.3468	0.3265	0.3057	0.2833	0.2599
Eating & Drinking	1.451	1.424	1.393	1.359	1.322	1.284	1.24	1.191
Changes in Migrants								
Total Migrants								



# **Attachment 5. Implementing Alternative Baseline, Clark County Output.**

THE FOLLOWING IS THE DEVELOPMENT OF THE CLARK COUNTY OUTPUT						
CHANGES						
Changes caused by simulation (UNLV update)						
<b>Clark County</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	15.37	13.53	11.65	9.715	7.739	5.78
Population (Thous)	22.56	15.94	9.358	2.776	-3.767	-10.37
GRP (Bil 92\$)	0.5066	0.4324	0.3569	0.2789	0.1993	0.1213
State & Local Gov Spending (Bil 92\$)	0.06877	0.04862	0.02862	0.008512	-0.01158	-0.03196
Real Disp Pers Inc (Bil 92\$)	0.8455	0.7879	0.7297	0.6679	0.6025	0.5402
Residential Investment (Bil 92\$)	-0.04447	-0.04746	-0.05029	-0.05342	-0.05674	-0.05903
Opt Res Capital Stock (Bil 92\$)	1.247	1.155	1.062	0.9649	0.8644	0.77
Act Res Capital Stock (Bil 92\$)	1.553	1.481	1.407	1.332	1.254	1.175
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.09869	0.0983	0.09794	0.09757	0.09719	0.0968
Manufacturing	0.2479	0.2158	0.1831	0.1495	0.1153	0.08109
Mining	0.006824	0.006299	0.005781	0.005241	0.004706	0.00417
Construction	0.2839	0.1717	0.05898	-0.05924	-0.1812	-0.2958
Trans./Public Util.	0.6017	0.5576	0.513	0.4671	0.4202	0.3745
Fin/Ins/Real Est	0.7495	0.6748	0.6005	0.5251	0.4492	0.3752
Retail Trade	2.995	2.831	2.666	2.493	2.313	2.143
Wholesale Trade	0.3495	0.317	0.2841	0.2503	0.216	0.1828
Services	8.91	7.864	6.776	5.65	4.498	3.346
Agri/For/Fish Serv	0.2014	0.1765	0.151	0.1243	0.09661	0.0694
State and Local	1.043	0.7369	0.4331	0.1286	-0.1747	-0.4817
Federal Civilian	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
Federal Military	0	0	0	0	0	0
Farm	0	0	0	0	0	0
Hotels	4.641	3.955	3.236	2.489	1.724	0.9471
Amusem & Recr	0.2375	0.2161	0.1946	0.1729	0.1509	0.1301
Eating & Drinking	1.147	1.107	1.066	1.021	0.9727	0.9273
<b>Changes in Migrants</b>						
Total Migrants						



# Attachment 5. Implementing Alternative Baseline, Clark County Output.

LEVELS: Dollar amounts are in 1992 Constant Dollars							
Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment							
Clark County	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	809.991	840.748	856.913	873.647	889.472	905.691	922.302
Population (Thous)	1268.394	1375.766	1449.56	1516.48	1577.838	1633.844	1685.159
GRP (Bil 92\$)	35.867	37.4624	38.6104	39.7072	40.811	41.935	43.075
State & Local Gov Spending (Bil 92\$)	3.3569	3.637	3.7867	4.0348	4.2722	4.4981	4.7155
Real Disp Pers Inc (Bil 92\$)	27.0352	28.7947	30.0488	31.2447	32.425	33.63	34.841
Residential Investment (Bil 92\$)	2.66608	2.6813	2.6184	2.5862	2.5601	2.5386	2.5247
Opt Res Capital Stock (Bil 92\$)	47.5556	49.859	51.525	53.34	55.131	56.907	58.685
Act Res Capital Stock (Bil 92\$)	29.32507	31.5232	33.6241	35.6585	37.6354	39.5584	41.4371
Exog Emp (Thous)	0	2.516	2.72	2.714	2.711	2.709	2.707
Exog Prod (Bil 92\$)	0	0.1339	0.1611	0.1597	0.1586	0.1576	0.1566
Manufacturing	21.57076	21.6129	21.638	21.6984	21.8277	21.9467	22.0513
Mining	1.562951	1.46181	1.400903	1.36894	1.345652	1.32814	1.31534
Construction	78.3578	80.225	79.133	78.395	78.259	78.251	78.392
Trans./Public Util.	40.16048	41.0953	41.8449	42.6215	43.3088	43.97	44.5986
Fin/Ins/Real Est	61.5911	63.073	63.958	64.595	65.169	65.758	66.373
Retail Trade	134.1035	140.032	142.824	144.754	146.027	147.409	148.931
Wholesale Trade	23.93634	24.4487	24.7519	25.0476	25.325	25.5843	25.8296
Services	362.096	377.147	387.536	397.497	406.924	416.774	426.97
Agri/For/Fish Serv	8.93128	9.2992	9.5001	9.6847	9.8757	10.0725	10.2733
State and Local	59.974	64.43	66.526	70.082	73.413	76.498	79.374
Federal Civilian	8.426	8.442	8.356	8.295	8.236	8.176	8.115
Federal Military	8.944	9.153	9.124	9.29	9.453	9.621	9.787
Farm	0.334	0.328	0.322	0.316	0.31	0.304	0.298
Hotels	173.0729	179.807	183.571	187.18	190.609	194.247	197.977
Amusem & Recr	21.70446	22.73679	23.662	24.4013	25.0761	25.7233	26.3679
Eating & Drinking	46.93878	48.6703	49.7768	50.565	51.2554	51.9975	52.8082
<b>Migrants</b>							
Total Migrants	0	0	0	0	0	0	0

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant</b>								
<b>Levels caused by simulation (UNLV update +</b>								
<b>Clark County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Employment (Thous)	938.07	954.319	970.067	985.416	1000.912	1018.137	1033.876	1049.459
Population (Thous)	1731.966	1775.261	1816.118	1855.223	1892.536	1929.346	1965.614	2000.861
GRP (Bil 92\$)	44.182	45.319	46.438	47.383	48.453	49.592	50.659	51.716
State & Local Gov Spending (Bil 92\$)	4.8717	5.0704	5.2643	5.3952	5.5343	5.7269	5.8548	5.9744
Real Disp Pers Inc (Bil 92\$)	36.047	37.274	38.465	39.641	40.84	42.055	43.133	44.183
Residential Investment (Bil 92\$)	2.5068	2.4952	2.4812	2.4462	2.4403	2.4484	2.4371	2.43039
Opt Res Capital Stock (Bil 92\$)	60.394	62.102	63.746	65.189	66.802	68.485	70.006	71.518
Act Res Capital Stock (Bil 92\$)	43.267	45.058	46.805	48.488	50.14	51.773	53.369	54.932
Exog Emp (Thous)	3.089	3.085	3.081	3.082	3.074	2.653	2.651	2.648
Exog Prod (Bil 92\$)	0.1911	0.1902	0.1893	0.189	0.1883	0.1484	0.1477	0.147
Manufacturing	22.1447	22.2057	22.2415	22.3389	22.5732	22.8532	23.165	23.5018
Mining	1.30439	1.29914	1.29663	1.26903	1.24526	1.22699	1.21175	1.20049
Construction	78.804	79.075	79.345	79.366	79.213	79.269	79.558	79.949
Trans./Public Util.	45.2042	45.7959	46.3566	46.9644	47.4719	48.017	48.532	49.036
Fin/Ins/Real Est	66.96	67.558	68.127	67.895	67.902	67.96	67.935	67.878
Retail Trade	150.418	151.95	153.376	154.909	156.532	158.289	159.688	160.992
Wholesale Trade	26.0536	26.2604	26.4381	26.5655	26.7809	27.0119	27.2146	27.4034
Services	437.182	447.367	457.389	468.322	479.239	490.528	501.685	512.798
Agri/For/Fish Serv	10.4676	10.6631	10.8585	11.1141	11.4121	11.7274	12.0206	12.3124
State and Local	81.233	83.733	86.13	88.024	89.782	92.384	93.91	95.369
Federal Civilian	8.053	7.99	7.928	7.988	8.039	8.087	8.117	8.143
Federal Military	9.96	10.134	10.306	10.382	10.45	10.514	10.567	10.612
Farm	0.292	0.285	0.279	0.276	0.273	0.271	0.268	0.265
Hotels	201.613	205.111	208.439	213.452	219.627	225.969	232.377	238.826
Amusem & Recr	26.9884	27.6105	28.2416	28.6586	28.9382	29.2214	29.4681	29.6909
Eating & Drinking	53.615	54.448	55.257	56.012	56.718	57.503	58.196	58.898
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 1992 Constan</b>								
<b>Levels caused by simulation (UNLV update +</b>								
<b>Clark County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Employment (Thous)	1065.114	1080.506	1095.318	1109.889	1123.41	1136.019	1147.571	1158.996
Population (Thous)	2034.958	2068.053	2100.23	2131.651	2162.45	2192.843	2223.042	2253.345
GRP (Bil 92\$)	52.779	53.823	54.833	55.845	56.783	57.681	58.529	59.369
State & Local Gov Spending (Bil 92\$)	6.0906	6.2001	6.3048	6.4098	6.506	6.5988	6.6891	6.832
Real Disp Pers Inc (Bil 92\$)	45.243	46.3	47.351	48.45	49.511	50.584	51.647	52.77
Residential Investment (Bil 92\$)	2.42639	2.42312	2.4204	2.41966	2.41378	2.40949	2.40308	2.40513
Opt Res Capital Stock (Bil 92\$)	73.029	74.515	75.968	77.425	78.812	80.182	81.503	82.872
Act Res Capital Stock (Bil 92\$)	56.467	57.975	59.455	60.912	62.339	63.74	65.11	66.463
Exog Emp (Thous)	2.646	2.644	2.642	2.64	2.638	2.637	2.635	2.239
Exog Prod (Bil 92\$)	0.1463	0.1457	0.145	0.1444	0.1438	0.1432	0.1426	0.1029
Manufacturing	23.8517	24.1954	24.5212	24.8365	25.1174	25.3682	25.5837	25.7524
Mining	1.19223	1.18295	1.17166	1.1634	1.1521	1.14181	1.12848	1.11605
Construction	80.449	81.006	81.557	82.138	82.631	83.071	83.455	83.604
Trans./Public Util.	49.534	50.011	50.4502	50.8628	51.2176	51.5118	51.7549	51.9581
Fin/Ins/Real Est	67.822	67.739	67.607	67.473	67.271	67.024	66.723	66.395
Retail Trade	162.25	163.433	164.479	165.477	166.261	166.869	167.292	167.668
Wholesale Trade	27.5805	27.7327	27.8534	27.9525	27.9983	28.004	27.9622	27.8797
Services	523.967	535.098	546.001	556.808	567.16	577.025	586.336	595.13
Agri/For/Fish Serv	12.6076	12.9018	13.1909	13.4817	13.7599	14.0281	14.2856	14.5434
State and Local	96.775	98.07	99.313	100.472	101.582	102.687	103.743	105.615
Federal Civilian	8.164	8.178	8.189	8.193	8.196	8.197	8.195	8.194
Federal Military	10.656	10.698	10.735	10.776	10.808	10.839	10.866	10.892
Farm	0.263	0.26	0.257	0.255	0.252	0.25	0.247	0.245
Hotels	245.344	251.904	258.423	264.917	271.264	277.403	283.313	288.943
Amusem & Recr	29.899	30.087	30.2407	30.3781	30.4685	30.5255	30.5446	30.5368
Eating & Drinking	59.625	60.362	61.083	61.821	62.507	63.156	63.76	64.369
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant</b>								
<b>Levels caused by simulation (UNLV update +</b>								
<b>Clark County</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
Employment (Thous)	1169.479	1179.167	1188.329	1197.196	1206.483	1217.241	1228.595	1240.63
Population (Thous)	2284.036	2315.019	2346.429	2378.426	2411.047	2444.757	2479.391	2514.807
GRP (Bil 92\$)	60.188	60.9528	61.704	62.446	63.2198	64.1084	65.0086	65.9654
State & Local Gov Spending (Bil 92\$)	6.9265	7.0217	7.1172	7.2143	7.3117	7.425	7.5377	7.65623
Real Disp Pers Inc (Bil 92\$)	53.954	55.132	56.345	57.586	58.907	60.417	61.9464	63.5278
Residential Investment (Bil 92\$)	2.407	2.404411	2.406123	2.41258	2.43345	2.47389	2.51604	2.56329
Opt Res Capital Stock (Bil 92\$)	84.216	85.506	86.801	88.119	89.541	91.113	92.715	94.381
Act Res Capital Stock (Bil 92\$)	67.795	69.103	70.392	71.666	72.941	74.238	75.554	76.897
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.1023	0.1018	0.1013	0.1008	0.1003	0.09991	0.09948	0.09908
Manufacturing	25.9033	26.0112	26.106	26.1856	26.2692	26.3825	26.5107	26.6655
Mining	1.10368	1.09126	1.076812	1.064347	1.055872	1.04738	1.039862	1.035344
Construction	83.988	84.299	84.581	84.8969	85.3513	86.0391	86.8015	87.6497
Trans./Public Util.	52.1249	52.2634	52.3661	52.456	52.5578	52.7211	52.9111	53.1356
Fin/Ins/Real Est	66.08	65.725	65.365	64.996	64.665	64.4375	64.2413	64.0814
Retail Trade	167.976	168.147	168.222	168.267	168.43	168.879	169.411	169.988
Wholesale Trade	27.7647	27.5998	27.404	27.1804	26.9604	26.7582	26.5538	26.3589
Services	603.679	611.755	619.46	626.93	634.408	642.451	650.765	659.427
Agri/For/Fish Serv	14.7969	15.0399	15.2771	15.5129	15.7582	16.0323	16.3133	16.6026
State and Local	106.707	107.846	109.036	110.24	111.518	112.925	114.417	115.989
Federal Civilian	8.19	8.19	8.192	8.193	8.196	8.202	8.213	8.227
Federal Military	10.928	10.963	11	11.037	11.075	11.132	11.186	11.246
Farm	0.242	0.24	0.238	0.235	0.233	0.23	0.228	0.226
Hotels	294.385	299.589	304.568	309.395	314.131	319.017	324.018	329.188
Amusem & Recr	30.5205	30.4731	30.41	30.3398	30.2705	30.2457	30.2233	30.2109
Eating & Drinking	64.976	65.545	66.098	66.654	67.273	68.026	68.825	69.665
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant</b>						
<b>Levels caused by simulation (UNLV update +</b>						
<b>Clark County</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	1253.724	1268.265	1284.625	1302.023	1319.832	1337.723
Population (Thous)	2550.975	2587.909	2625.807	2664.568	2703.977	2743.684
GRP (Bil 92\$)	66.9766	68.0734	69.2969	70.5599	71.8433	73.1223
State & Local Gov Spending (Bil 92\$)	7.77477	7.89662	8.03162	8.172512	8.31442	8.45504
Real Disp Pers Inc (Bil 92\$)	65.1655	66.9029	68.8137	70.7869	72.7915	74.8012
Residential Investment (Bil 92\$)	2.62053	2.69354	2.77871	2.86258	2.94426	3.02097
Opt Res Capital Stock (Bil 92\$)	96.149	98.078	100.146	102.2689	104.4324	106.614
Act Res Capital Stock (Bil 92\$)	78.275	79.703	81.193	82.743	84.349	86.006
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 92\$)	0.09869	0.0983	0.09794	0.09757	0.09719	0.0968
Manufacturing	26.8599	27.1058	27.3941	27.7135	28.0493	28.39409
Mining	1.031824	1.032299	1.034781	1.036241	1.040706	1.04317
Construction	88.6769	89.9537	91.47298	93.08876	94.7328	96.3882
Trans./Public Util.	53.3957	53.7296	54.14	54.5851	55.0502	55.5255
Fin/Ins/Real Est	63.9695	63.9038	63.9455	64.0261	64.1152	64.1942
Retail Trade	170.733	171.725	173.002	174.418	175.835	177.197
Wholesale Trade	26.1815	26.049	25.9561	25.8743	25.801	25.7238
Services	668.566	678.33	688.964	700.173	711.66	723.249
Agri/For/Fish Serv	16.9074	17.2355	17.595	17.9703	18.34961	18.7284
State and Local	117.632	119.3579	121.1901	123.1096	125.0753	127.0653
Federal Civilian	8.242	8.259	8.275	8.294	8.313	8.331
Federal Military	11.304	11.364	11.439	11.517	11.595	11.67
Farm	0.224	0.221	0.219	0.217	0.215	0.213
Hotels	334.591	340.244	346.281	352.616	359.124	365.7401
Amusem & Recr	30.2175	30.2441	30.3106	30.3899	30.4629	30.5271
Eating & Drinking	70.593	71.642	72.836	74.112	75.4137	76.7143
<b>Migrants</b>						
Total Migrants	0	0	0	0	0	0

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands							
BASELINE LEVELS							
Clark County	1999	2000	2001	2002	2003	2004	2005
Employment (Thous)	809.991	840.748	856.913	873.647	889.472	905.691	922.302
Population (Thous)	1,268.394	1,375.766	1,449.560	1,516.480	1,577.838	1,633.844	1,685.159
GRP (Bil 2000\$)	42.393	44.279	45.636	46.932	48.237	49.565	50.913
State & Local Gov Spending (Bil 2000\$)	3.968	4.299	4.476	4.769	5.050	5.317	5.573
Real Disp Pers Inc (Bil 2000\$)	31.954	34.034	35.516	36.930	38.325	39.749	41.180
Residential Investment (Bil 2000\$)	3.151	3.169	3.095	3.057	3.026	3.001	2.984
Opt Res Capital Stock (Bil 2000\$)	56.208	58.931	60.900	63.045	65.162	67.261	69.363
Act Res Capital Stock (Bil 2000\$)	34.661	37.259	39.742	42.147	44.483	46.756	48.977
Exog Emp (Thous)	0.000	2.516	2.720	2.714	2.711	2.709	2.707
Exog Prod (Bil 2000\$)	0.000	0.158	0.190	0.189	0.187	0.186	0.185
Manufacturing	21.571	21.613	21.638	21.698	21.828	21.947	22.051
Mining	1.563	1.462	1.401	1.369	1.346	1.328	1.315
Construction	78.358	80.225	79.133	78.395	78.259	78.251	78.392
Trans./Public Util.	40.160	41.095	41.845	42.622	43.309	43.970	44.599
Fin/Ins/Real Est	61.591	63.073	63.958	64.595	65.169	65.758	66.373
Retail Trade	134.104	140.032	142.824	144.754	146.027	147.409	148.931
Wholesale Trade	23.936	24.449	24.752	25.048	25.325	25.584	25.830
Services	362.096	377.147	387.536	397.497	406.924	416.774	426.970
Agri/For/Fish Serv	8.931	9.299	9.500	9.685	9.876	10.073	10.273
State and Local	59.974	64.430	66.526	70.082	73.413	76.498	79.374
Federal Civilian	8.426	8.442	8.356	8.295	8.236	8.176	8.115
Federal Military	8.944	9.153	9.124	9.290	9.453	9.621	9.787
Farm	0.334	0.328	0.322	0.316	0.310	0.304	0.298
Hotels	173.073	179.807	183.571	187.180	190.609	194.247	197.977
Amusem & Recr	21.704	22.737	23.662	24.401	25.076	25.723	26.368
Eating & Drinking	46.939	48.670	49.777	50.565	51.255	51.998	52.808
<b>Migrants</b>							
Total Migrants (Thousands)	0.000	0.000	0.000	0.000	0.000	0.000	0.000

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 2000 Constant</b>								
<b>BASELINE LEVELS</b>								
<b>Clark County</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Employment (Thous)	938.070	954.319	970.067	985.416	1,000.912	1,018.137	1,033.876	1,049.459
Population (Thous)	1,731.966	1,775.261	1,816.118	1,855.223	1,892.536	1,929.346	1,965.614	2,000.861
GRP (Bil 2000\$)	52.221	53.565	54.887	56.004	57.269	58.615	59.876	61.126
State & Local Gov Spending (Bil 2000\$)	5.758	5.993	6.222	6.377	6.541	6.769	6.920	7.061
Real Disp Pers Inc (Bil 2000\$)	42.606	44.056	45.464	46.854	48.271	49.707	50.981	52.222
Residential Investment (Bil 2000\$)	2.963	2.949	2.933	2.891	2.884	2.894	2.881	2.873
Opt Res Capital Stock (Bil 2000\$)	71.383	73.402	75.345	77.050	78.957	80.946	82.744	84.531
Act Res Capital Stock (Bil 2000\$)	51.139	53.256	55.321	57.310	59.263	61.193	63.080	64.927
Exog Emp (Thous)	3.089	3.085	3.081	3.082	3.074	2.653	2.651	2.648
Exog Prod (Bil 2000\$)	0.226	0.225	0.224	0.223	0.223	0.175	0.175	0.174
Manufacturing	22.145	22.206	22.242	22.339	22.573	22.853	23.165	23.502
Mining	1.304	1.299	1.297	1.269	1.245	1.227	1.212	1.200
Construction	78.804	79.075	79.345	79.366	79.213	79.269	79.558	79.949
Trans./Public Util.	45.204	45.796	46.357	46.964	47.472	48.017	48.532	49.036
Fin/Ins/Real Est	66.960	67.558	68.127	67.895	67.902	67.960	67.935	67.878
Retail Trade	150.418	151.950	153.376	154.909	156.532	158.289	159.688	160.992
Wholesale Trade	26.054	26.260	26.438	26.566	26.781	27.012	27.215	27.403
Services	437.182	447.367	457.389	468.322	479.239	490.528	501.685	512.798
Agri/For/Fish Serv	10.468	10.663	10.859	11.114	11.412	11.727	12.021	12.312
State and Local	81.233	83.733	86.130	88.024	89.782	92.384	93.910	95.369
Federal Civilian	8.053	7.990	7.928	7.988	8.039	8.087	8.117	8.143
Federal Military	9.960	10.134	10.306	10.382	10.450	10.514	10.567	10.612
Farm	0.292	0.285	0.279	0.276	0.273	0.271	0.268	0.265
Hotels	201.613	205.111	208.439	213.452	219.627	225.969	232.377	238.826
Amusem & Recr	26.988	27.611	28.242	28.659	28.938	29.221	29.468	29.691
Eating & Drinking	53.615	54.448	55.257	56.012	56.718	57.503	58.196	58.898
<b>Migrants</b>								
Total Migrants (Thousands)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

### Attachment 5. Implementing Alternative Baseline, Clark County Output.

<b>LEVELS: Dollar amounts are in 2000 Constant</b>								
<b>BASELINE LEVELS</b>								
<b>Clark County</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Employment (Thous)	1,065.114	1,080.506	1,095.318	1,109.889	1,123.410	1,136.019	1,147.571	1,158.996
Population (Thous)	2,034.958	2,068.053	2,100.230	2,131.651	2,162.450	2,192.843	2,223.042	2,253.345
GRP (Bil 2000\$)	62.382	63.616	64.810	66.006	67.115	68.176	69.178	70.171
State & Local Gov Spending (Bil 2000\$)	7.199	7.328	7.452	7.576	7.690	7.799	7.906	8.075
Real Disp Pers Inc (Bil 2000\$)	53.475	54.724	55.967	57.266	58.520	59.788	61.044	62.372
Residential Investment (Bil 2000\$)	2.868	2.864	2.861	2.860	2.853	2.848	2.840	2.843
Opt Res Capital Stock (Bil 2000\$)	86.317	88.073	89.790	91.513	93.152	94.771	96.333	97.951
Act Res Capital Stock (Bil 2000\$)	66.741	68.524	70.273	71.995	73.682	75.338	76.957	78.556
Exog Emp (Thous)	2.646	2.644	2.642	2.640	2.638	2.637	2.635	2.239
Exog Prod (Bil 2000\$)	0.173	0.172	0.171	0.171	0.170	0.169	0.169	0.122
Manufacturing	23.852	24.195	24.521	24.837	25.117	25.368	25.584	25.752
Mining	1.192	1.183	1.172	1.163	1.152	1.142	1.128	1.116
Construction	80.449	81.006	81.557	82.138	82.631	83.071	83.455	83.604
Trans./Public Util.	49.534	50.011	50.450	50.863	51.218	51.512	51.755	51.958
Fin/Ins/Real Est	67.822	67.739	67.607	67.473	67.271	67.024	66.723	66.395
Retail Trade	162.250	163.433	164.479	165.477	166.261	166.869	167.292	167.668
Wholesale Trade	27.581	27.733	27.853	27.953	27.998	28.004	27.962	27.880
Services	523.967	535.098	546.001	556.808	567.160	577.025	586.336	595.130
Agri/For/Fish Serv	12.608	12.902	13.191	13.482	13.760	14.028	14.286	14.543
State and Local	96.775	98.070	99.313	100.472	101.582	102.687	103.743	105.615
Federal Civilian	8.164	8.178	8.189	8.193	8.196	8.197	8.195	8.194
Federal Military	10.656	10.698	10.735	10.776	10.808	10.839	10.866	10.892
Farm	0.263	0.260	0.257	0.255	0.252	0.250	0.247	0.245
Hotels	245.344	251.904	258.423	264.917	271.264	277.403	283.313	288.943
Amusem & Recr	29.899	30.087	30.241	30.378	30.469	30.526	30.545	30.537
Eating & Drinking	59.625	60.362	61.083	61.821	62.507	63.156	63.760	64.369
<b>Migrants</b>								
Total Migrants (Thousands)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



# Attachment 5. Implementing Alternative Baseline, Clark County Output.

LEVELS: Dollar amounts are in 2000 Constant								
BASELINE LEVELS								
Clark County	2022	2023	2024	2025	2026	2027	2028	2029
Employment (Thous)	1,169.479	1,179.167	1,188.329	1,197.196	1,206.483	1,217.241	1,228.595	1,240.630
Population (Thous)	2,284.036	2,315.019	2,346.429	2,378.426	2,411.047	2,444.757	2,479.391	2,514.807
GRP (Bil 2000\$)	71.139	72.043	72.931	73.808	74.723	75.773	76.837	77.968
State & Local Gov Spending (Bil 2000\$)	8.187	8.299	8.412	8.527	8.642	8.776	8.909	9.049
Real Disp Pers Inc (Bil 2000\$)	63.771	65.163	66.597	68.064	69.625	71.410	73.218	75.087
Residential Investment (Bil 2000\$)	2.845	2.842	2.844	2.852	2.876	2.924	2.974	3.030
Opt Res Capital Stock (Bil 2000\$)	99.539	101.064	102.595	104.152	105.833	107.691	109.585	111.554
Act Res Capital Stock (Bil 2000\$)	80.130	81.676	83.200	84.706	86.213	87.746	89.301	90.889
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 2000\$)	0.121	0.120	0.120	0.119	0.119	0.118	0.118	0.117
Manufacturing	25.903	26.011	26.106	26.186	26.269	26.383	26.511	26.666
Mining	1.104	1.091	1.077	1.064	1.056	1.047	1.040	1.035
Construction	83.988	84.299	84.581	84.897	85.351	86.039	86.802	87.650
Trans./Public Util.	52.125	52.263	52.366	52.456	52.558	52.721	52.911	53.136
Fin/Ins/Real Est	66.080	65.725	65.365	64.996	64.665	64.438	64.241	64.081
Retail Trade	167.976	168.147	168.222	168.267	168.430	168.879	169.411	169.988
Wholesale Trade	27.765	27.600	27.404	27.180	26.960	26.758	26.554	26.359
Services	603.679	611.755	619.460	626.930	634.408	642.451	650.765	659.427
Agri/For/Fish Serv	14.797	15.040	15.277	15.513	15.758	16.032	16.313	16.603
State and Local	106.707	107.846	109.036	110.240	111.518	112.925	114.417	115.989
Federal Civilian	8.190	8.190	8.192	8.193	8.196	8.202	8.213	8.227
Federal Military	10.928	10.963	11.000	11.037	11.075	11.132	11.186	11.246
Farm	0.242	0.240	0.238	0.235	0.233	0.230	0.228	0.226
Hotels	294.385	299.589	304.568	309.395	314.131	319.017	324.018	329.188
Amusem & Recr	30.521	30.473	30.410	30.340	30.271	30.246	30.223	30.211
Eating & Drinking	64.976	65.545	66.098	66.654	67.273	68.026	68.825	69.665
<b>Migrants</b>								
Total Migrants (Thousands)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 5. Implementing Alternative Baseline, Clark County Output.

LEVELS: Dollar amounts are in 2000 Constan						
BASELINE LEVELS						
Clark County	2030	2031	2032	2033	2034	2035
Employment (Thous)	1,253.724	1,268.265	1,284.625	1,302.023	1,319.832	1,337.723
Population (Thous)	2,550.975	2,587.909	2,625.807	2,664.568	2,703.977	2,743.684
GRP (Bil 2000\$)	79.163	80.459	81.906	83.398	84.915	86.427
State & Local Gov Spending (Bil 2000\$)	9.189	9.333	9.493	9.660	9.827	9.993
Real Disp Pers Inc (Bil 2000\$)	77.022	79.076	81.334	83.667	86.036	88.411
Residential Investment (Bil 2000\$)	3.097	3.184	3.284	3.383	3.480	3.571
Opt Res Capital Stock (Bil 2000\$)	113.643	115.923	118.368	120.877	123.434	126.013
Act Res Capital Stock (Bil 2000\$)	92.517	94.205	95.966	97.798	99.696	101.655
Exog Emp (Thous)	2.239	2.239	2.239	2.239	2.239	2.239
Exog Prod (Bil 2000\$)	0.117	0.116	0.116	0.115	0.115	0.114
Manufacturing	26.860	27.106	27.394	27.714	28.049	28.394
Mining	1.032	1.032	1.035	1.036	1.041	1.043
Construction	88.677	89.954	91.473	93.089	94.733	96.388
Trans./Public Util.	53.396	53.730	54.140	54.585	55.050	55.526
Fin/Ins/Real Est	63.970	63.904	63.946	64.026	64.115	64.194
Retail Trade	170.733	171.725	173.002	174.418	175.835	177.197
Wholesale Trade	26.182	26.049	25.956	25.874	25.801	25.724
Services	668.566	678.330	688.964	700.173	711.660	723.249
Agri/For/Fish Serv	16.907	17.236	17.595	17.970	18.350	18.728
State and Local	117.632	119.358	121.190	123.110	125.075	127.065
Federal Civilian	8.242	8.259	8.275	8.294	8.313	8.331
Federal Military	11.304	11.364	11.439	11.517	11.595	11.670
Farm	0.224	0.221	0.219	0.217	0.215	0.213
Hotels	334.591	340.244	346.281	352.616	359.124	365.740
Amusem & Recr	30.218	30.244	30.311	30.390	30.463	30.527
Eating & Drinking	70.593	71.642	72.836	74.112	75.414	76.714
Migrants						
Total Migrants (Thousands)	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Nye County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Total Emp (Thous)	12.735	13.006	13.271	13.572	13.875	14.192	14.519	14.842
Population (Thous)	30.627	32.303	33.799	35.174	36.453	37.663	38.833	39.968
GRP (Bil 92\$)	0.61	0.631	0.653	0.676	0.7	0.724	0.748	0.773
State & Local Gov Spending (Bil 92\$)	0.091	0.096	0.101	0.107	0.113	0.118	0.124	0.13
Real Disp Pers Inc (Bil 92\$)	0.556	0.583	0.608	0.634	0.66	0.688	0.716	0.744
Residential Investment (Bil 92\$)	0.039	0.038	0.037	0.036	0.036	0.036	0.036	0.036
Opt Res Capital Stock (Bil 92\$)	0.643	0.663	0.685	0.712	0.738	0.766	0.793	0.819
Act Res Capital Stock (Bil 92\$)	0.376	0.407	0.437	0.465	0.494	0.521	0.549	0.575
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.34	0.352	0.362	0.37	0.378	0.384	0.39	0.396
Mining	1.139	1.024	0.953	0.91	0.878	0.852	0.832	0.815
Construction	0.927	0.941	0.937	0.944	0.959	0.977	0.995	1.013
Trans./Public Util.	0.407	0.42	0.433	0.445	0.457	0.468	0.479	0.489
Fin/Ins/Real Est	0.549	0.571	0.59	0.607	0.621	0.635	0.649	0.662
Retail Trade	1.709	1.787	1.839	1.881	1.913	1.947	1.981	2.013
Wholesale Trade	0.162	0.166	0.17	0.173	0.176	0.179	0.182	0.184
Services	5.329	5.502	5.683	5.862	6.042	6.23	6.425	6.619
Agri/For/Fish Serv	0.165	0.174	0.183	0.191	0.199	0.207	0.215	0.223
State and Local	1.427	1.49	1.552	1.624	1.694	1.76	1.824	1.887
Federal Civilian	0.186	0.186	0.185	0.183	0.182	0.181	0.179	0.178
Federal Military	0.074	0.076	0.075	0.077	0.078	0.079	0.081	0.082
Farm	0.321	0.316	0.31	0.304	0.298	0.293	0.287	0.281
Hotels	1.649	1.678	1.714	1.751	1.791	1.834	1.879	1.923
Amusem & Recr	0.964	1.001	1.037	1.066	1.092	1.117	1.143	1.167
Eating & Drinking	0.44	0.456	0.471	0.484	0.496	0.509	0.521	0.533
<b>Migrants</b>								
Total Migrants								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Nye County</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Total Emp (Thous)	15.165	15.483	15.741	15.996	16.265	16.524	16.785	17.053
Population (Thous)	41.069	42.15	43.201	44.23	45.228	46.191	47.118	48.019
GRP (Bil 92\$)	0.798	0.822	0.841	0.86	0.881	0.901	0.922	0.942
State & Local Gov Spending (Bil 92\$)	0.135	0.141	0.144	0.149	0.153	0.156	0.16	0.163
Real Disp Pers Inc (Bil 92\$)	0.771	0.798	0.822	0.847	0.872	0.894	0.916	0.94
Residential Investment (Bil 92\$)	0.036	0.036	0.035	0.035	0.035	0.034	0.034	0.034
Opt Res Capital Stock (Bil 92\$)	0.845	0.869	0.889	0.911	0.933	0.954	0.975	0.998
Act Res Capital Stock (Bil 92\$)	0.602	0.627	0.652	0.676	0.699	0.722	0.744	0.766
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.4	0.403	0.408	0.416	0.425	0.434	0.444	0.454
Mining	0.801	0.791	0.762	0.739	0.719	0.703	0.688	0.677
Construction	1.032	1.049	1.059	1.066	1.078	1.09	1.103	1.119
Trans./Public Util.	0.499	0.508	0.521	0.535	0.549	0.564	0.579	0.593
Fin/Ins/Real Est	0.674	0.686	0.694	0.703	0.713	0.722	0.731	0.74
Retail Trade	2.045	2.073	2.098	2.125	2.153	2.176	2.199	2.223
Wholesale Trade	0.187	0.188	0.19	0.192	0.194	0.196	0.198	0.2
Services	6.815	7.009	7.177	7.331	7.492	7.651	7.81	7.971
Agri/For/Fish Serv	0.231	0.238	0.246	0.254	0.262	0.27	0.278	0.286
State and Local	1.948	2.008	2.059	2.106	2.152	2.193	2.231	2.269
Federal Civilian	0.176	0.175	0.176	0.178	0.179	0.179	0.18	0.18
Federal Military	0.084	0.085	0.086	0.086	0.087	0.087	0.088	0.088
Farm	0.275	0.268	0.266	0.263	0.261	0.258	0.255	0.253
Hotels	1.965	2.005	2.062	2.13	2.201	2.274	2.347	2.421
Amusem & Recr	1.192	1.217	1.231	1.239	1.248	1.256	1.263	1.27
Eating & Drinking	0.545	0.556	0.565	0.573	0.582	0.59	0.599	0.608
<b>Migrants</b>								
Total Migrants								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Nye County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Total Emp (Thous)	17.305	17.534	17.759	17.959	18.146	18.319	18.478	18.639
Population (Thous)	48.897	49.748	50.583	51.404	52.216	53.022	53.82	54.618
GRP (Bil 92\$)	0.962	0.981	0.999	1.016	1.033	1.048	1.062	1.077
State & Local Gov Spending (Bil 92\$)	0.167	0.17	0.173	0.176	0.179	0.181	0.184	0.187
Real Disp Pers Inc (Bil 92\$)	0.962	0.982	1.002	1.021	1.039	1.059	1.078	1.101
Residential Investment (Bil 92\$)	0.034	0.034	0.033	0.033	0.032	0.032	0.031	0.031
Opt Res Capital Stock (Bil 92\$)	1.018	1.035	1.053	1.068	1.083	1.098	1.113	1.13
Act Res Capital Stock (Bil 92\$)	0.787	0.808	0.828	0.847	0.865	0.883	0.9	0.916
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.464	0.474	0.483	0.492	0.5	0.508	0.515	0.522
Mining	0.665	0.652	0.642	0.63	0.621	0.608	0.597	0.585
Construction	1.133	1.144	1.157	1.166	1.175	1.185	1.193	1.203
Trans./Public Util.	0.608	0.622	0.636	0.649	0.661	0.673	0.684	0.695
Fin/Ins/Real Est	0.749	0.756	0.763	0.769	0.775	0.779	0.783	0.788
Retail Trade	2.243	2.258	2.272	2.28	2.286	2.29	2.293	2.296
Wholesale Trade	0.201	0.203	0.204	0.204	0.205	0.205	0.204	0.204
Services	8.126	8.271	8.412	8.543	8.664	8.778	8.884	8.989
Agri/For/Fish Serv	0.294	0.301	0.308	0.315	0.321	0.327	0.333	0.339
State and Local	2.303	2.336	2.367	2.398	2.428	2.456	2.485	2.514
Federal Civilian	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
Federal Military	0.088	0.089	0.089	0.089	0.089	0.09	0.09	0.09
Farm	0.25	0.248	0.245	0.243	0.24	0.238	0.236	0.233
Hotels	2.495	2.568	2.639	2.708	2.773	2.836	2.895	2.953
Amusem & Recr	1.275	1.279	1.281	1.282	1.282	1.28	1.277	1.274
Eating & Drinking	0.617	0.624	0.631	0.637	0.643	0.649	0.654	0.66
<b>Migrants</b>								
Total Migrants								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Nye County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Total Emp (Thous)	18.797	18.951	19.099	19.253	19.431	19.617	19.813	20.027
Population (Thous)	55.419	56.225	57.035	57.849	58.671	59.499	60.328	61.157
GRP (Bil 92\$)	1.092	1.106	1.12	1.135	1.152	1.169	1.187	1.206
State & Local Gov Spending (Bil 92\$)	0.189	0.192	0.195	0.198	0.201	0.204	0.207	0.21
Real Disp Pers Inc (Bil 92\$)	1.124	1.149	1.174	1.2	1.229	1.258	1.287	1.318
Residential Investment (Bil 92\$)	0.031	0.032	0.032	0.032	0.032	0.033	0.033	0.034
Opt Res Capital Stock (Bil 92\$)	1.146	1.164	1.181	1.199	1.218	1.238	1.257	1.279
Act Res Capital Stock (Bil 92\$)	0.933	0.949	0.966	0.982	0.998	1.015	1.032	1.049
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.529	0.536	0.542	0.548	0.555	0.563	0.57	0.58
Mining	0.575	0.564	0.554	0.547	0.54	0.534	0.528	0.523
Construction	1.212	1.222	1.232	1.242	1.256	1.269	1.284	1.301
Trans./Public Util.	0.706	0.716	0.726	0.736	0.748	0.759	0.772	0.784
Fin/Ins/Real Est	0.791	0.795	0.798	0.801	0.805	0.809	0.814	0.819
Retail Trade	2.299	2.302	2.304	2.305	2.311	2.317	2.323	2.332
Wholesale Trade	0.203	0.202	0.201	0.199	0.198	0.197	0.196	0.195
Services	9.09	9.188	9.283	9.377	9.484	9.594	9.71	9.835
Agri/For/Fish Serv	0.346	0.352	0.358	0.364	0.37	0.377	0.383	0.39
State and Local	2.544	2.574	2.605	2.636	2.67	2.705	2.742	2.779
Federal Civilian	0.181	0.181	0.181	0.181	0.181	0.181	0.182	0.182
Federal Military	0.091	0.091	0.091	0.091	0.092	0.092	0.093	0.093
Farm	0.231	0.229	0.226	0.224	0.222	0.22	0.217	0.215
Hotels	3.008	3.061	3.113	3.165	3.219	3.274	3.333	3.394
Amusem & Recr	1.27	1.266	1.262	1.257	1.254	1.251	1.249	1.247
Eating & Drinking	0.666	0.673	0.679	0.686	0.694	0.702	0.71	0.72
<b>Migrants</b>								
Total Migrants								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Adjusted Regional Control</b>					
<b>Levels (after DETR update)</b>					
<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	20.267	20.537	20.822	21.109	21.396
Population (Thous)	61.99	62.835	63.69	64.549	65.408
GRP (Bil 92\$)	1.227	1.251	1.275	1.3	1.324
State & Local Gov Spending (Bil 92\$)	0.213	0.217	0.22	0.224	0.227
Real Disp Pers Inc (Bil 92\$)	1.351	1.388	1.426	1.465	1.503
Residential Investment (Bil 92\$)	0.035	0.036	0.037	0.038	0.039
Opt Res Capital Stock (Bil 92\$)	1.302	1.328	1.355	1.382	1.409
Act Res Capital Stock (Bil 92\$)	1.066	1.085	1.104	1.124	1.145
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	0.589	0.6	0.612	0.624	0.636
Mining	0.522	0.521	0.52	0.519	0.518
Construction	1.321	1.345	1.37	1.396	1.421
Trans./Public Util.	0.798	0.814	0.83	0.846	0.863
Fin/Ins/Real Est	0.824	0.831	0.838	0.845	0.852
Retail Trade	2.344	2.361	2.379	2.397	2.414
Wholesale Trade	0.194	0.194	0.193	0.193	0.193
Services	9.97	10.12	10.278	10.439	10.599
Agri/For/Fish Serv	0.398	0.406	0.414	0.423	0.431
State and Local	2.817	2.857	2.899	2.942	2.985
Federal Civilian	0.182	0.183	0.183	0.184	0.184
Federal Military	0.094	0.094	0.095	0.096	0.096
Farm	0.213	0.211	0.209	0.207	0.205
Hotels	3.459	3.528	3.601	3.675	3.75
Amusem & Recr	1.246	1.247	1.248	1.249	1.249
Eating & Drinking	0.731	0.744	0.758	0.772	0.786
<b>Migrants</b>					
Total Migrants					

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	1999	2000	2001	2002	2003	2004	2005	2006
<b>Changes caused by simulation (UNLV update + DOE + Nye county) w/o Economic Migration Adjustment</b>								
Total Emp (Thous)	0	-0.04023	-0.03754	0.02727	0.07685	0.1172	0.1486	0.1751
Population (Thous)	0	-0.01261	-0.02731	-0.004192	0.05043	0.1066	0.1628	0.2175
GRP (Bil 92\$)	0	-0.0041	-0.007824	-0.002993	0.001092	0.004775	0.007912	0.01082
State & Local Gov Spending (Bil 92\$)	0	-3.76E-05	-8.17E-05	-1.28E-05	0.0001561	0.0003353	0.00052	0.0007052
Real Disp Pers Inc (Bil 92\$)	0	-0.0008444	-0.001122	0.0004159	0.001706	0.002794	0.003702	0.004453
Residential Investment (Bil 92\$)	0	-0.0001219	-0.0001453	9.24E-05	0.0002632	0.0003825	0.0004609	0.0005068
Opt Res Capital Stock (Bil 92\$)	0	-0.0009614	-0.001265	0.0004668	0.001907	0.003108	0.004099	0.004905
Act Res Capital Stock (Bil 92\$)	0	-0.0001219	-0.0002652	-0.0001687	9.68E-05	0.0004773	0.00093	0.001421
Exog Emp (Thous)	0	-0.0236	-0.0056	0.0374	0.0694	0.0954	0.1154	0.1324
Exog Prod (Bil 92\$)	0	-0.006634	-0.013	-0.005685	4.15E-04	0.005936	0.01063	0.01502
Manufacturing	0	0.0004095	0.0003475	0.0001893	7.67E-05	-6.38E-06	-6.33E-05	-7.04E-05
Mining	0.00E+00	-0.05729	-0.1145	-0.06463	-0.02769	0.002164	0.02499	0.04427
Construction	0	-0.004231	-0.007174	-0.001746	0.002327	0.00551	0.007878	0.01012
Trans./Public Util.	0	-0.0005568	-0.001647	-0.0009118	-0.0002254	0.0004547	0.001076	0.001552
Fin/Ins/Real Est	0	-0.0003758	-0.001645	-0.001599	-0.001139	-0.0004359	0.0003978	0.001283
Retail Trade	0	-0.0003911	-0.00238	0.0007364	0.003161	0.005239	0.006963	0.008233
Wholesale Trade	0	-0.0002317	-0.0006378	-0.0002666	5.45E-05	0.0003511	0.0006067	0.000837
Services	0	0.02903	0.09703	0.1011	0.1031	0.1039	0.1039	0.1032
Agri/For/Fish Serv	0	1.83E-05	0.0004169	0.0005954	0.0007264	0.0008242	0.0008921	0.000925
State and Local	0	-0.0006067	-0.001308	-0.0002019	0.002444	0.005195	0.007976	0.01071
Federal Civilian	0	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0	0.0002323	0.06891	0.06936	0.06884	0.06767	0.06615	0.06449
Amusem & Recr	0	6.13E-05	8.95E-05	0.0002473	0.0002588	0.0001875	6.53E-05	-9.05E-05
Eating & Drinking	0	-0.0005521	-0.0008868	0.0001976	0.0009796	0.001623	0.002136	0.002532
<b>Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment</b>								



# Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2007	2008	2009	2010	2011	2012	2013	2014
<b>Changes caused by simulation (UNLV up</b>								
Total Emp (Thous)	0.198	0.215	0.2628	0.3016	0.3045	0.3059	0.3074	0.309
Population (Thous)	0.2712	0.3225	0.3837	0.4538	0.5127	0.5588	0.5993	0.6348
GRP (Bil 92\$)	0.01352	0.01571	0.02178	0.02704	0.028	0.02891	0.02989	0.03081
State & Local Gov Spending (Bil 92\$)	0.0008919	0.001076	0.001283	0.001526	0.001731	0.001893	0.002035	0.00216
Real Disp Pers Inc (Bil 92\$)	0.005213	0.005857	0.007233	0.008483	0.008983	0.009317	0.009628	0.009926
Residential Investment (Bil 92\$)	0.0005478	0.0005676	0.0006836	0.0007688	0.000742	0.0006983	0.0006588	0.0006233
Opt Res Capital Stock (Bil 92\$)	0.00571	0.006381	0.00782	0.009122	0.009617	0.009942	0.01025	0.01053
Act Res Capital Stock (Bil 92\$)	0.001945	0.002481	0.003124	0.003841	0.00452	0.005145	0.005721	0.006252
Exog Emp (Thous)	0.1464	0.1564	0.1854	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.019	0.02219	0.03123	0.03911	0.04068	0.04227	0.04396	0.04552
Manufacturing	-9.17E-05	-1.02E-04	-1.17E-04	-1.26E-04	-0.0001566	-0.0001698	-0.0001897	-0.0002156
Mining	0.06003	0.07116	0.1041	0.1301	0.1296	0.1291	0.1287	0.1283
Construction	0.01169	0.01276	0.01628	0.01887	0.01811	0.01759	0.01709	0.01663
Trans./Public Util.	0.002123	0.002596	0.003816	0.00497	0.005571	0.00598	0.006364	0.006707
Fin/Ins/Real Est	0.002271	0.00321	0.00481	0.006385	0.007248	0.007883	0.0084	0.008795
Retail Trade	0.009707	0.01092	0.01402	0.01672	0.01771	0.01821	0.01864	0.01902
Wholesale Trade	0.001051	0.001217	0.001677	0.002061	0.002092	0.002093	0.002084	0.002064
Services	0.1028	0.1022	0.104	0.1048	0.1036	0.1023	0.1015	0.1011
Agri/For/Fish Serv	0.000974	0.001011	0.001161	0.001282	0.001309	0.001304	0.001305	0.001309
State and Local	0.01342	0.01603	0.01907	0.02254	0.02545	0.02767	0.0296	0.03128
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.06284	0.0613	0.05971	0.05788	0.05611	0.0547	0.05368	0.05303
Amusem & Recr	-0.000235	-0.000378	-0.0004706	-0.0005896	-0.0007312	-0.0008507	-0.0009289	-0.0009713
Eating & Drinking	0.002951	0.003284	0.00422	0.005008	0.005214	0.005336	0.005461	0.005586
<b>Levels after simulation (UNLV update + n</b>								

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2015	2016	2017	2018	2019	2020	2021	2022
<b>Changes caused by simulation (UNLV up</b>								
Total Emp (Thous)	0.3107	0.3126	0.3144	0.3164	0.3182	0.3201	0.3224	0.3241
Population (Thous)	0.6664	0.6927	0.7153	0.7347	0.7499	0.7622	0.7732	0.7824
GRP (Bil 92\$)	0.0318	0.03289	0.03387	0.03503	0.03603	0.03723	0.03842	0.03964
State & Local Gov Spending (Bil 92\$)	0.002271	0.002363	0.002444	0.002511	0.002563	0.002605	0.002641	0.002674
Real Disp Pers Inc (Bil 92\$)	0.01022	0.01049	0.01078	0.01105	0.01131	0.01155	0.01188	0.01214
Residential Investment (Bil 92\$)	0.000592	0.0005636	0.0005392	0.0005162	0.0004949	0.0004747	0.0004681	0.000451
Opt Res Capital Stock (Bil 92\$)	0.01081	0.01107	0.01133	0.01156	0.01178	0.01198	0.01227	0.01246
Act Res Capital Stock (Bil 92\$)	0.006744	0.007199	0.007623	0.008017	0.008383	0.008724	0.009053	0.009359
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.04716	0.04893	0.0505	0.05233	0.05388	0.05575	0.05752	0.05939
Manufacturing	-0.0002468	-0.0002826	-0.0003234	-0.0003682	-0.0004171	-0.0004692	-0.0005588	-0.0006196
Mining	0.1279	0.1276	0.1273	0.127	0.1268	0.1266	1.26E-01	1.26E-01
Construction	0.01622	0.01584	0.01549	0.01517	0.01485	0.01456	0.01395	0.01368
Trans./Public Util.	0.007037	0.00736	0.007643	0.007935	0.008172	0.008437	0.008838	0.009067
Fin/Ins/Real Est	0.009104	0.009342	0.009493	0.009608	0.009643	0.009672	0.009705	0.009683
Retail Trade	0.01937	0.01968	0.01997	0.02022	0.02041	0.02059	0.02101	0.02111
Wholesale Trade	0.002039	0.002011	0.001977	0.001945	0.001906	0.001871	0.001844	0.001806
Services	0.1012	0.1018	0.1026	0.1037	0.105	0.1066	0.1085	0.11
Agri/For/Fish Serv	0.001321	0.001339	0.001361	0.001388	0.001414	0.001442	0.001498	0.001524
State and Local	0.03274	0.03393	0.03492	0.03574	0.03636	0.03683	0.03724	0.03756
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.05271	0.05268	0.05289	0.05332	0.05392	0.05465	0.05545	0.0563
Amusem & Recr	-0.0009798	-0.0009601	-0.0009171	-0.0008554	-0.0007793	-0.0006945	-0.0005939	-0.0005069
Eating & Drinking	0.005715	0.005853	0.005991	0.006131	0.006265	0.006401	0.006592	0.006722
<b>Levels after simulation (UNLV update + n</b>								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2023	2024	2025	2026	2027	2028	2029	2030
<b>Changes caused by simulation (UNLV up</b>								
Total Emp (Thous)	0.3255	0.3269	0.3283	0.3293	0.3304	0.3314	0.3323	0.3332
Population (Thous)	0.7895	0.7954	0.8002	0.8041	0.8077	0.8109	0.8139	0.8169
GRP (Bil 92\$)	0.04078	0.042	0.04327	0.04441	0.04564	0.04692	0.04829	0.04975
State & Local Gov Spending (Bil 92\$)	0.002698	0.002718	0.002735	0.002748	0.002764	0.002778	0.002792	0.002805
Real Disp Pers Inc (Bil 92\$)	0.01238	0.01262	0.01286	0.01309	0.01334	0.01358	0.01382	0.01406
Residential Investment (Bil 92\$)	0.0004339	0.0004188	0.0004051	0.0003922	0.0003823	0.0003725	0.0003645	0.0003579
Opt Res Capital Stock (Bil 92\$)	0.01262	0.01278	0.01294	0.01308	0.01323	0.01336	0.0135	0.01364
Act Res Capital Stock (Bil 92\$)	0.009643	0.009908	0.01016	0.01039	0.0106	0.01081	0.011	0.01118
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.06113	0.06301	0.06495	0.0667	0.06858	0.07056	0.07266	0.07492
Manufacturing	-0.0006851	-0.0007537	-0.0008249	-0.0008991	-0.0009779	-0.001061	-0.001147	-0.001239
Mining	1.26E-01	0.126	0.1259	0.1258	0.1257	0.1256	0.1255	0.1254
Construction	0.01341	0.01315	0.0129	0.01266	0.01244	0.01222	0.01202	0.01184
Trans./Public Util.	0.009278	0.009484	0.009688	0.009862	0.01005	0.01023	0.01043	0.01062
Fin/Ins/Real Est	0.009625	0.009567	0.009505	0.009415	0.009337	0.009261	0.009195	0.00914
Retail Trade	0.02116	0.02119	0.02119	0.02115	0.02112	0.02105	0.02098	0.02089
Wholesale Trade	0.001764	0.001722	0.00168	0.001635	0.001591	0.001546	0.001503	0.00146
Services	0.1115	0.1131	0.1145	0.1159	0.1172	0.1185	0.1196	0.1207
Agri/For/Fish Serv	0.001546	0.001567	0.001586	0.001602	0.001616	0.001628	0.001638	0.001645
State and Local	0.0378	0.03798	0.03812	0.03823	0.03834	0.03846	0.03858	0.03871
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.05716	0.05804	0.05891	0.05975	0.06054	0.06129	0.06197	0.0626
Amusem & Recr	-0.0004201	-0.0003355	-0.0002538	-0.0001765	-0.0001045	-3.95E-05	1.92E-05	7.07E-05
Eating & Drinking	0.00684	0.006958	0.007071	0.007172	0.007279	0.007382	0.007483	0.007584
<b>Levels after simulation (UNLV update + n</b>								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

Nye County	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV up</b>					
Total Emp (Thous)	0.3337	0.3342	0.3346	0.3351	0.3357
Population (Thous)	0.8197	0.8221	0.8236	0.825	0.8267
GRP (Bil 92\$)	0.05098	0.05228	0.05364	0.05513	0.05669
State & Local Gov Spending (Bil 92\$)	0.002818	0.002834	0.002846	0.002858	0.002871
Real Disp Pers Inc (Bil 92\$)	0.01429	0.01455	0.01481	0.01507	0.01533
Residential Investment (Bil 92\$)	0.0003525	0.000349	0.0003462	0.0003444	0.0003438
Opt Res Capital Stock (Bil 92\$)	0.01378	0.01392	0.01406	0.01421	0.01436
Act Res Capital Stock (Bil 92\$)	0.01136	0.01152	0.01169	0.01184	0.012
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.07683	0.07885	0.08098	0.0833	0.08573
Manufacturing	-0.001336	-0.001439	-0.001545	-0.001655	-0.001766
Mining	0.1253	0.1252	0.125	0.1249	0.1248
Construction	0.01165	0.01149	0.01133	0.01119	0.01108
Trans./Public Util.	0.01078	0.01095	0.01111	0.0113	0.0115
Fin/Ins/Real Est	0.009045	0.008959	0.008877	0.008812	0.008758
Retail Trade	0.02077	0.02065	0.02053	0.02041	0.02028
Wholesale Trade	0.001413	0.001367	0.001321	0.00128	0.001241
Services	0.1216	0.1224	0.1232	0.124	0.1247
Agri/For/Fish Serv	0.001646	0.001647	0.001647	0.001646	0.001644
State and Local	0.03886	0.039	0.03911	0.03922	0.03935
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	0.06315	0.06366	0.06415	0.0646	0.065
Amusem & Recr	0.000116	0.0001566	0.0001949	0.0002279	0.0002552
Eating & Drinking	0.007675	0.007771	0.007872	0.007976	0.008081
<b>Levels after simulation (UNLV update + n</b>					

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Nye County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Total Emp (Thous)	12.735	12.96577	13.23346	13.59927	13.95185	14.3092	14.6676	15.0171
Population (Thous)	30.627	32.29039	33.77169	35.169808	36.50343	37.7696	38.9958	40.1855
GRP (Bil 92\$)	0.61	0.6269	0.645176	0.673007	0.701092	0.728775	0.755912	0.78382
State & Local Gov Spending (Bil 92\$)	0.091	0.0959624	0.1009183	0.1069872	0.1131561	0.1183353	0.12452	0.1307052
Real Disp Pers Inc (Bil 92\$)	0.556	0.5821556	0.606878	0.6344159	0.661706	0.690794	0.719702	0.748453
Residential Investment (Bil 92\$)	0.039	0.0378781	0.0368547	0.0360924	0.0362632	0.0363825	0.0364609	0.0365068
Opt Res Capital Stock (Bil 92\$)	0.643	0.6620386	0.683735	0.7124668	0.739907	0.769108	0.797099	0.823905
Act Res Capital Stock (Bil 92\$)	0.376	0.4068781	0.4367348	0.4648313	0.4940968	0.5214773	0.54993	0.576421
Exog Emp (Thous)	0	-0.0236	-0.0056	0.0374	0.0694	0.0954	0.1154	0.1324
Exog Prod (Bil 92\$)	0	-0.006634	-0.013	-0.005685	0.0004153	0.005936	0.01063	0.01502
Manufacturing	0.34	0.3524095	0.3623475	0.3701893	0.3780767	0.3839936	0.3899367	0.3959296
Mining	1.139	0.96671	0.8385	0.84537	0.85031	0.854164	0.85699	0.85927
Construction	0.927	0.936769	0.929826	0.942254	0.961327	0.98251	1.002878	1.02312
Trans./Public Util.	0.407	0.4194432	0.431353	0.4440882	0.4567746	0.4684547	0.480076	0.490552
Fin/Ins/Real Est	0.549	0.5706242	0.588355	0.605401	0.619861	0.6345641	0.6493978	0.663283
Retail Trade	1.709	1.7866089	1.83662	1.8817364	1.916161	1.952239	1.987963	2.021233
Wholesale Trade	0.162	0.1657683	0.1693622	0.1727334	0.1760545	0.1793511	0.1826067	0.184837
Services	5.329	5.53103	5.78003	5.9631	6.1451	6.3339	6.5289	6.7222
Agri/For/Fish Serv	0.165	0.1740183	0.1834169	0.1915954	0.1997264	0.2078242	0.2158921	0.223925
State and Local	1.427	1.4893933	1.550692	1.6237981	1.696444	1.765195	1.831976	1.89771
Federal Civilian	0.186	0.18	0.179	0.177	0.176	0.175	0.173	0.172
Federal Military	0.074	0.076	0.075	0.077	0.078	0.079	0.081	0.082
Farm	0.321	0.316	0.31	0.304	0.298	0.293	0.287	0.281
Hotels	1.649	1.6782323	1.78291	1.82036	1.85984	1.90167	1.94515	1.98749
Amusem & Recr	0.964	1.0010613	1.0370895	1.0662473	1.0922588	1.1171875	1.1430653	1.1669095
Eating & Drinking	0.44	0.4554479	0.4701132	0.4841976	0.4969796	0.510623	0.523136	0.535532
Population Changes & Levels								
Test results: Nye cnty pop changes after siml Change (1000) All inputs	-0.3116	0.1822	0.6563	1.141	1.602	2.052	2.462	2.837
Test results: Nye cnty pop output after siml Level (1000)	30.3154	32.4852	34.4553	36.315	38.055	39.715	41.295	42.805

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Nye County</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Total Emp (Thous)	15.363	15.698	16.0038	16.2976	16.5695	16.8299	17.0924	17.362
Population (Thous)	41.3402	42.4725	43.5847	44.6838	45.7407	46.7498	47.7173	48.6538
GRP (Bil 92\$)	0.81152	0.83771	0.86278	0.88704	0.909	0.92991	0.95189	0.97281
State & Local Gov Spending (Bil 92\$)	0.1358919	0.142076	0.145283	0.150526	0.154731	0.157893	0.162035	0.16516
Real Disp Pers Inc (Bil 92\$)	0.776213	0.803857	0.829233	0.855483	0.880983	0.903317	0.925628	0.949926
Residential Investment (Bil 92\$)	0.0365478	0.0365676	0.0356836	0.0357688	0.035742	0.0346983	0.0346588	0.0346233
Opt Res Capital Stock (Bil 92\$)	0.85071	0.875381	0.89682	0.920122	0.942617	0.963942	0.98525	1.00853
Act Res Capital Stock (Bil 92\$)	0.603945	0.629481	0.655124	0.679841	0.70352	0.727145	0.749721	0.772252
Exog Emp (Thous)	0.1464	0.1564	0.1854	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.019	0.02219	0.03123	0.03911	0.04068	0.04227	0.04396	0.04552
Manufacturing	0.3999083	0.4028981	0.407883	0.4158738	0.4248434	0.4338302	0.4438103	0.4537844
Mining	0.86103	0.86216	0.8661	0.8691	0.8486	0.8321	0.8167	0.8053
Construction	1.04369	1.06176	1.07528	1.08487	1.09611	1.10759	1.12009	1.13563
Trans./Public Util.	0.501123	0.510596	0.524816	0.53997	0.554571	0.56998	0.585364	0.599707
Fin/Ins/Real Est	0.676271	0.68921	0.69881	0.709385	0.720248	0.729883	0.7394	0.748795
Retail Trade	2.054707	2.08392	2.11202	2.14172	2.17071	2.19421	2.21764	2.24202
Wholesale Trade	0.188051	0.189217	0.191677	0.194061	0.196092	0.198093	0.200084	0.202064
Services	6.9178	7.1112	7.281	7.4358	7.5956	7.7533	7.9115	8.0721
Agri/For/Fish Serv	0.231974	0.239011	0.247161	0.255282	0.263309	0.271304	0.279305	0.287309
State and Local	1.96142	2.02403	2.07807	2.12854	2.17745	2.22067	2.2606	2.30028
Federal Civilian	0.17	0.169	0.17	0.172	0.173	0.173	0.174	0.174
Federal Military	0.084	0.085	0.086	0.086	0.087	0.087	0.088	0.088
Farm	0.275	0.268	0.266	0.263	0.261	0.258	0.255	0.253
Hotels	2.02784	2.0663	2.12171	2.18788	2.25711	2.3287	2.40068	2.47403
Amusem & Recr	1.191765	1.216622	1.2305294	1.2384104	1.2472688	1.2551493	1.2620711	1.2690287
Eating & Drinking	0.547951	0.559284	0.56922	0.578008	0.587214	0.595336	0.604461	0.613586
Population Changes & Levels								
Test results: Nye cnty pop changes after siml Change (1000) All inputs	3.186	3.505	3.835	4.177	4.509	4.827	5.136	5.434
Test results: Nye cnty pop output after siml Level (1000)	44.255	45.655	47.036	48.407	49.737	51.018	52.254	53.453

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Nye County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Total Emp (Thous)	17.6157	17.8466	18.0734	18.2754	18.4642	18.6391	18.8004	18.9631
Population (Thous)	49.5634	50.4407	51.2983	52.1387	52.9659	53.7842	54.5932	55.4004
GRP (Bil 92\$)	0.9938	1.01389	1.03287	1.05103	1.06903	1.08523	1.10042	1.11664
State & Local Gov Spending (Bil 92\$)	0.169271	0.172363	0.175444	0.178511	0.181563	0.183605	0.186641	0.189674
Real Disp Pers Inc (Bil 92\$)	0.97222	0.99249	1.01278	1.03205	1.05031	1.07055	1.08988	1.11314
Residential Investment (Bil 92\$)	0.034592	0.0345636	0.0335392	0.0335162	0.0324949	0.0324747	0.0314681	0.031451
Opt Res Capital Stock (Bil 92\$)	1.02881	1.04607	1.06433	1.07956	1.09478	1.10998	1.12527	1.14246
Act Res Capital Stock (Bil 92\$)	0.793744	0.815199	0.835623	0.855017	0.873383	0.891724	0.909053	0.925359
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.04716	0.04893	0.0505	0.05233	0.05388	0.05575	0.05752	0.05939
Manufacturing	0.4637532	0.4737174	0.4826766	0.4916318	0.4995829	0.5075308	0.5144412	0.5213804
Mining	0.7929	0.7796	0.7693	0.757	0.7478	0.7346	0.7234	0.7112
Construction	1.14922	1.15984	1.17249	1.18117	1.18985	1.19956	1.20695	1.21668
Trans./Public Util.	0.615037	0.62936	0.643643	0.656935	0.669172	0.681437	0.692838	0.704067
Fin/Ins/Real Est	0.758104	0.765342	0.772493	0.778608	0.784643	0.788672	0.792705	0.797683
Retail Trade	2.26237	2.27768	2.29197	2.30022	2.30641	2.31059	2.31401	2.31711
Wholesale Trade	0.203039	0.205011	0.205977	0.205945	0.206906	0.206871	0.205844	0.205806
Services	8.2272	8.3728	8.5146	8.6467	8.769	8.8846	8.9925	9.099
Agri/For/Fish Serv	0.295321	0.302339	0.309361	0.316388	0.322414	0.328442	0.334498	0.340524
State and Local	2.33574	2.36993	2.40192	2.43374	2.46436	2.49283	2.52224	2.55156
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Federal Military	0.088	0.089	0.089	0.089	0.089	0.09	0.09	0.09
Farm	0.25	0.248	0.245	0.243	0.24	0.238	0.236	0.233
Hotels	2.54771	2.62068	2.69189	2.76132	2.82692	2.89065	2.95045	3.0093
Amusem & Recr	1.2740202	1.2780399	1.2800829	1.2811446	1.2812207	1.2793055	1.2764061	1.2734931
Eating & Drinking	0.622715	0.629853	0.636991	0.643131	0.649265	0.655401	0.660592	0.666722
Population Changes & Levels								
Test results: Nye cnty pop changes after siml Change (1000) All inputs	5.724	6.004	6.275	6.539	6.799	7.061	7.328	7.602
Test results: Nye cnty pop output after siml Level (1000)	54.621	55.752	56.858	57.943	59.015	60.083	61.148	62.22



## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Nye County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Total Emp (Thous)	19.1225	19.2779	19.4273	19.5823	19.7614	19.9484	20.1453	20.3602
Population (Thous)	56.2085	57.0204	57.8352	58.6531	59.4787	60.3099	61.1419	61.9739
GRP (Bil 92\$)	1.13278	1.148	1.16327	1.17941	1.19764	1.21592	1.23529	1.25575
State & Local Gov Spending (Bil 92\$)	0.191698	0.194718	0.197735	0.200748	0.203764	0.206778	0.209792	0.212805
Real Disp Pers Inc (Bil 92\$)	1.13638	1.16162	1.18686	1.21309	1.24234	1.27158	1.30082	1.33206
Residential Investment (Bil 92\$)	0.0314339	0.0324188	0.0324051	0.0323922	0.0323823	0.0333725	0.0333645	0.0343579
Opt Res Capital Stock (Bil 92\$)	1.15862	1.17678	1.19394	1.21208	1.23123	1.25136	1.2705	1.29264
Act Res Capital Stock (Bil 92\$)	0.942643	0.958908	0.97616	0.99239	1.0086	1.02581	1.043	1.06018
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.06113	0.06301	0.06495	0.0667	0.06858	0.07056	0.07266	0.07492
Manufacturing	0.5283149	0.5352463	0.5411751	0.5471009	0.5540221	0.561939	0.568853	0.578761
Mining	0.7011	0.69	0.6799	0.6728	0.6657	0.6596	0.6535	0.6484
Construction	1.22541	1.23515	1.2449	1.25466	1.26844	1.28122	1.29602	1.31284
Trans./Public Util.	0.715278	0.725484	0.735688	0.745862	0.75805	0.76923	0.78243	0.79462
Fin/Ins/Real Est	0.800625	0.804567	0.807505	0.810415	0.814337	0.818261	0.823195	0.82814
Retail Trade	2.32016	2.32319	2.32519	2.32615	2.33212	2.33805	2.34398	2.35289
Wholesale Trade	0.204764	0.203722	0.20268	0.200635	0.199591	0.198546	0.197503	0.19646
Services	9.2015	9.3011	9.3975	9.4929	9.6012	9.7125	9.8296	9.9557
Agri/For/Fish Serv	0.347546	0.353567	0.359586	0.365602	0.371616	0.378628	0.384638	0.391645
State and Local	2.5818	2.61198	2.64312	2.67423	2.70834	2.74346	2.78058	2.81771
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.176	0.176
Federal Military	0.091	0.091	0.091	0.091	0.092	0.092	0.093	0.093
Farm	0.231	0.229	0.226	0.224	0.222	0.22	0.217	0.215
Hotels	3.06516	3.11904	3.17191	3.22475	3.27954	3.33529	3.39497	3.4566
Amusem & Recr	1.2695799	1.2656645	1.2617462	1.2568235	1.2538955	1.2509605	1.2490192	1.2470707
Eating & Drinking	0.67284	0.679958	0.686071	0.693172	0.701279	0.709382	0.717483	0.727584
Population Changes & Levels								
Test results: Nye cnty pop changes after siml Change (1000) All inputs	7.885	8.178	8.481	8.798	9.13	9.477	9.84	10.22
Test results: Nye cnty pop output after siml Level (1000)	63.304	64.403	65.516	66.647	67.801	68.976	70.168	71.377



## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	20.6007	20.8712	21.1566	21.4441	21.7317
Population (Thous)	62.8097	63.6571	64.5136	65.374	66.2347
GRP (Bil 92\$)	1.27798	1.30328	1.32864	1.35513	1.38069
State & Local Gov Spending (Bil 92\$)	0.215818	0.219834	0.222846	0.226858	0.229871
Real Disp Pers Inc (Bil 92\$)	1.36529	1.40255	1.44081	1.48007	1.51833
Residential Investment (Bil 92\$)	0.0353525	0.036349	0.0373462	0.0383444	0.0393438
Opt Res Capital Stock (Bil 92\$)	1.31578	1.34192	1.36906	1.39621	1.42336
Act Res Capital Stock (Bil 92\$)	1.07736	1.09652	1.11569	1.13584	1.157
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.07683	0.07885	0.08098	0.0833	0.08573
Manufacturing	0.587664	0.598561	0.610455	0.622345	0.634234
Mining	0.6473	0.6462	0.645	0.6439	0.6428
Construction	1.33265	1.35649	1.38133	1.40719	1.43208
Trans./Public Util.	0.80878	0.82495	0.84111	0.8573	0.8745
Fin/Ins/Real Est	0.833045	0.839959	0.846877	0.853812	0.860758
Retail Trade	2.36477	2.38165	2.39953	2.41741	2.43428
Wholesale Trade	0.195413	0.195367	0.194321	0.19428	0.194241
Services	10.0916	10.2424	10.4012	10.563	10.7237
Agri/For/Fish Serv	0.399646	0.407647	0.415647	0.424646	0.432644
State and Local	2.85586	2.896	2.93811	2.98122	3.02435
Federal Civilian	0.176	0.177	0.177	0.178	0.178
Federal Military	0.094	0.094	0.095	0.096	0.096
Farm	0.213	0.211	0.209	0.207	0.205
Hotels	3.52215	3.59166	3.66515	3.7396	3.815
Amusem & Recr	1.246116	1.2471566	1.2481949	1.2492279	1.2492552
Eating & Drinking	0.738675	0.751771	0.765872	0.779976	0.794081
Population Changes & Levels					
Test results: Nye cnty pop changes after siml Change (1000) All inputs	10.61	11.02	11.46	11.91	12.38
Test results: Nye cnty pop output after siml Level (1000)	72.6	73.855	75.15	76.459	77.788

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
Nye County	1999	2000	2001	2002	2003	2004	2005	2006
Employment (Thous)	-0.009454	-0.005492	0.03871	0.153	0.252	0.3449	0.4282	0.506
Population (Thous)	-0.3116	0.1822	0.6563	1.141	1.602	2.052	2.462	2.837
GRP (Bil 92\$)	-0.0004153	-0.00243	-0.004276	0.002733	0.008943	0.01486	0.02018	0.02522
State & Local Gov Spending (Bil 92\$)	-0.0009293	0.0005428	0.001963	0.003471	0.004958	0.006453	0.007864	0.009197
Real Disp Pers Inc (Bil 92\$)	-0.001343	0.0008346	0.003258	0.007784	0.01202	0.01624	0.02021	0.02398
Residential Investment (Bil 92\$)	-0.0001969	0.0001451	0.0004721	0.001056	0.001522	0.001923	0.002237	0.00248
Opt Res Capital Stock (Bil 92\$)	-0.001553	0.0009502	0.003673	0.008737	0.01344	0.01807	0.02238	0.02641
Act Res Capital Stock (Bil 92\$)	-0.0001969	-4.88E-05	0.0004238	0.001472	0.002969	0.004843	0.007	0.009365
Exog Emp (Thous)	0	-0.0236	-0.0056	0.0374	0.0694	0.0954	0.1154	0.1324
Exog Prod (Bil 92\$)	0	-0.006635	-0.013	-0.005684	0.0004163	0.005933	0.01062	0.015
Manufacturing	0.0006082	0.001713	0.002105	0.002603	0.003151	0.003751	0.004349	0.004969
Mining	-3.21E-05	-0.05707	-0.114	-0.06348	-0.02589	0.004648	0.02817	0.04814
Construction	0.000329	0.002345	0.003961	0.01481	0.02374	0.03192	0.03888	0.04546
Trans./Public Util.	0.0004293	0.000663	0.0002189	0.001874	0.003553	0.005311	0.00704	0.008632
Fin/Ins/Real Est	-0.0003955	0.001366	0.001727	0.003441	0.005359	0.007532	0.009726	0.01191
Retail Trade	0.00262	0.005639	0.006079	0.01348	0.02069	0.0281	0.03535	0.04226
Wholesale Trade	0.000122	0.0001483	-5.35E-05	0.0006331	0.001296	0.001969	0.002609	0.003226
Services	0.001881	0.03632	0.1118	0.1285	0.1455	0.1639	0.1829	0.2024
Agri/For/Fish Serv	0.0001289	0.0006087	0.001422	0.002189	0.002948	0.00375	0.004545	0.005327
State and Local	-0.01514	0.008769	0.03143	0.05494	0.07764	0.09999	0.1206	0.1397
Federal Civilian	0	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-0.001524	-0.00104	0.06979	0.07438	0.07962	0.0856	0.09222	0.09934
Amusem & Recr	0.000375	0.0007048	0.001335	0.002662	0.003879	0.005265	0.006694	0.008197
Eating & Drinking	0.0004717	-0.0001581	-0.0005165	0.000989	0.002451	0.003991	0.005552	0.007129
Changes in Migrants								
Total Migrants								

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
Nye County	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	0.5801	0.6456	0.7414	0.8277	0.8768	0.9221	0.9669	1.011
Population (Thous)	3.186	3.505	3.835	4.177	4.509	4.827	5.136	5.434
GRP (Bil 92\$)	0.03004	0.03421	0.04214	0.0493	0.05209	0.05472	0.05738	0.05995
State & Local Gov Spending (Bil 92\$)	0.01048	0.01169	0.01283	0.01404	0.01522	0.01635	0.01744	0.01849
Real Disp Pers Inc (Bil 92\$)	0.02776	0.03124	0.03545	0.03958	0.04299	0.04601	0.04901	0.05202
Residential Investment (Bil 92\$)	0.002692	0.002836	0.003052	0.003239	0.003309	0.003326	0.003346	0.003369
Opt Res Capital Stock (Bil 92\$)	0.03041	0.03403	0.03833	0.04257	0.04603	0.04909	0.05215	0.0552
Act Res Capital Stock (Bil 92\$)	0.0119	0.01454	0.01736	0.02032	0.0233	0.02624	0.02917	0.03206
Exog Emp (Thous)	0.1464	0.1564	0.1854	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.01897	0.02214	0.03114	0.03899	0.04053	0.04209	0.04375	0.04528
Manufacturing	0.005541	0.006063	0.006578	0.00714	0.007619	0.008079	0.008527	0.008966
Mining	0.06458	0.07635	0.1098	0.1362	0.1361	0.1361	0.136	0.136
Construction	0.05125	0.05604	0.06339	0.06948	0.07194	0.07428	0.07655	0.07879
Trans./Public Util.	0.01034	0.01189	0.01428	0.01663	0.0184	0.01993	0.02145	0.02293
Fin/Ins/Real Est	0.01418	0.01631	0.0191	0.02194	0.02405	0.02587	0.02756	0.02913
Retail Trade	0.04949	0.05615	0.06463	0.07256	0.07858	0.08347	0.08812	0.0926
Wholesale Trade	0.003826	0.004356	0.005172	0.005906	0.006266	0.006558	0.00682	0.007058
Services	0.2231	0.2433	0.266	0.2877	0.3065	0.3246	0.3432	0.3623
Agri/For/Fish Serv	0.006146	0.00693	0.007829	0.008734	0.00952	0.01024	0.01096	0.01169
State and Local	0.1576	0.1742	0.1906	0.2075	0.2238	0.239	0.2537	0.2678
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.1068	0.1145	0.1224	0.1305	0.1386	0.1471	0.1559	0.1653
Amusem & Recr	0.009827	0.01139	0.01306	0.01467	0.01607	0.01737	0.01868	0.02002
Eating & Drinking	0.008842	0.01047	0.01271	0.01479	0.01627	0.01754	0.0188	0.02007
Changes in Migrants								
Total Migrants								

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
Nye County	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	1.055	1.099	1.143	1.187	1.23	1.273	1.317	1.361
Population (Thous)	5.724	6.004	6.275	6.539	6.799	7.061	7.328	7.602
GRP (Bil 92\$)	0.06255	0.06522	0.06781	0.07051	0.07304	0.07577	0.07848	0.08129
State & Local Gov Spending (Bil 92\$)	0.01951	0.02048	0.02144	0.02235	0.02324	0.02413	0.02503	0.02598
Real Disp Pers Inc (Bil 92\$)	0.05497	0.05788	0.0609	0.06378	0.06666	0.06952	0.07253	0.07571
Residential Investment (Bil 92\$)	0.003383	0.003391	0.00341	0.003411	0.003412	0.00341	0.003427	0.003453
Opt Res Capital Stock (Bil 92\$)	0.05816	0.06105	0.06398	0.06675	0.06947	0.07213	0.07489	0.0777
Act Res Capital Stock (Bil 92\$)	0.03493	0.03776	0.04056	0.04332	0.04604	0.04871	0.05136	0.05399
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.04688	0.04862	0.05015	0.05193	0.05344	0.05526	0.05698	0.05879
Manufacturing	0.009403	0.009842	0.01029	0.01074	0.01118	0.01163	0.01204	0.01248
Mining	0.136	0.136	0.136	0.1361	0.1363	0.1364	0.1365	0.1367
Construction	0.08095	0.08301	0.08514	0.0871	0.08902	0.09098	0.09265	0.09489
Trans./Public Util.	0.02443	0.02593	0.02744	0.02896	0.03041	0.03191	0.03355	0.03503
Fin/Ins/Real Est	0.0306	0.03199	0.03332	0.03457	0.03574	0.03691	0.03808	0.03923
Retail Trade	0.09688	0.101	0.1052	0.109	0.1127	0.1162	0.1199	0.1234
Wholesale Trade	0.007276	0.007481	0.007681	0.007866	0.008039	0.008207	0.008375	0.008532
Services	0.382	0.4024	0.4238	0.4454	0.4672	0.4892	0.5115	0.5338
Agri/For/Fish Serv	0.01243	0.01318	0.01395	0.01471	0.01547	0.01623	0.01702	0.0178
State and Local	0.2812	0.2941	0.3063	0.3181	0.3297	0.3412	0.353	0.365
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.1752	0.1856	0.1966	0.208	0.2199	0.2321	0.2445	0.2572
Amusem & Recr	0.02136	0.0227	0.02409	0.02542	0.02672	0.02798	0.02921	0.03044
Eating & Drinking	0.02133	0.0226	0.02393	0.02521	0.02647	0.0277	0.02899	0.03026
<b>Changes in Migrants</b>								
Total Migrants								

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
Nye County	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	1.405	1.45	1.495	1.54	1.589	1.639	1.69	1.744
Population (Thous)	7.885	8.178	8.481	8.798	9.13	9.477	9.84	10.22
GRP (Bil 92\$)	0.08401	0.08684	0.08973	0.09254	0.09559	0.09871	0.102	0.1055
State & Local Gov Spending (Bil 92\$)	0.02695	0.02795	0.02899	0.03006	0.03124	0.03247	0.03375	0.03509
Real Disp Pers Inc (Bil 92\$)	0.07894	0.08236	0.08581	0.0894	0.09349	0.09771	0.1022	0.1069
Residential Investment (Bil 92\$)	0.00348	0.003524	0.003567	0.003622	0.003719	0.003823	0.003945	0.004085
Opt Res Capital Stock (Bil 92\$)	0.08049	0.08341	0.08633	0.08934	0.09269	0.09615	0.09982	0.1037
Act Res Capital Stock (Bil 92\$)	0.0566	0.05922	0.06184	0.06447	0.06716	0.0699	0.07273	0.07565
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.06048	0.0623	0.06417	0.06586	0.06768	0.06958	0.07161	0.07378
Manufacturing	0.0129	0.01331	0.01372	0.01413	0.01456	0.01499	0.01543	0.01592
Mining	0.1368	0.137	0.1372	0.1374	0.1376	0.1378	0.138	0.1382
Construction	0.09718	0.09959	0.102	0.1046	0.1076	0.1107	0.114	0.1176
Trans./Public Util.	0.03652	0.03798	0.03944	0.04088	0.04241	0.04397	0.04558	0.04725
Fin/Ins/Real Est	0.04034	0.04146	0.04256	0.04365	0.04483	0.04602	0.04725	0.04854
Retail Trade	0.1266	0.1298	0.1329	0.1358	0.1392	0.1425	0.1458	0.1494
Wholesale Trade	0.008669	0.008797	0.008909	0.009011	0.009121	0.009218	0.009312	0.009408
Services	0.5558	0.5778	0.5997	0.6215	0.6442	0.6672	0.6908	0.7153
Agri/For/Fish Serv	0.01858	0.01937	0.02016	0.02095	0.02181	0.02269	0.0236	0.02455
State and Local	0.3775	0.3905	0.404	0.4182	0.4334	0.4495	0.4664	0.4842
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.2699	0.2827	0.2956	0.3086	0.322	0.3356	0.3497	0.3642
Amusem & Recr	0.0316	0.03274	0.03384	0.03489	0.03602	0.03712	0.03821	0.03937
Eating & Drinking	0.0315	0.03276	0.03398	0.0352	0.03656	0.03795	0.03938	0.0409
Changes in Migrants								
Total Migrants								

# Attachment 6. Implementing Alternative Baseline, Nye County Output.

THE FOLLOWING IS THE DE\					
CHANGES					
Changes caused by simulation (UNLV up					
Nye County	2031	2032	2033	2034	2035
Employment (Thous)	1.802	1.864	1.93	1.998	2.069
Population (Thous)	10.61	11.02	11.46	11.91	12.38
GRP (Bil 92\$)	0.1089	0.1126	0.1165	0.1206	0.1248
State & Local Gov Spending (Bil 92\$)	0.03648	0.038	0.03959	0.04126	0.04299
Real Disp Pers Inc (Bil 92\$)	0.1121	0.1179	0.1242	0.1309	0.1378
Residential Investment (Bil 92\$)	0.004268	0.004497	0.004749	0.005015	0.005282
Opt Res Capital Stock (Bil 92\$)	0.108	0.1128	0.118	0.1235	0.1292
Act Res Capital Stock (Bil 92\$)	0.07871	0.08195	0.08539	0.08904	0.09289
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.07561	0.07755	0.07958	0.0818	0.08413
Manufacturing	0.01644	0.01702	0.01763	0.01827	0.01894
Mining	0.1385	0.1388	0.1391	0.1394	0.1397
Construction	0.1217	0.1263	0.1313	0.1365	0.1419
Trans./Public Util.	0.04902	0.05096	0.05295	0.05505	0.05728
Fin/Ins/Real Est	0.04986	0.05132	0.05285	0.05444	0.05608
Retail Trade	0.1533	0.1579	0.1627	0.1677	0.1728
Wholesale Trade	0.009517	0.009644	0.009777	0.009916	0.01006
Services	0.741	0.7685	0.7975	0.8275	0.8584
Agri/For/Fish Serv	0.02557	0.02669	0.02789	0.02914	0.03044
State and Local	0.5029	0.5229	0.544	0.5661	0.5893
Federal Civilian	-0.006	-0.006	-0.006	-0.006	-0.006
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	0.3793	0.3952	0.4118	0.429	0.4468
Amusem & Recr	0.04057	0.04186	0.04321	0.04454	0.04589
Eating & Drinking	0.04258	0.04447	0.04653	0.04869	0.05091
Changes in Migrants					
Total Migrants					

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								
<b>Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Nye County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	12.725546	13.000508	13.30971	13.725	14.127	14.5369	14.9472	15.348
Population (Thous)	30.3154	32.4852	34.4553	36.315	38.055	39.715	41.295	42.805
GRP (Bil 92\$)	0.6095847	0.62857	0.648724	0.678733	0.708943	0.73886	0.76818	0.79822
State & Local Gov Spending (Bil 92\$)	0.0900707	0.0965428	0.102963	0.110471	0.117958	0.124453	0.131864	0.139197
Real Disp Pers Inc (Bil 92\$)	0.554657	0.5838346	0.611258	0.641784	0.67202	0.70424	0.73621	0.76798
Residential Investment (Bil 92\$)	0.0388031	0.0381451	0.0374721	0.037056	0.037522	0.037923	0.038237	0.03848
Opt Res Capital Stock (Bil 92\$)	0.641447	0.6639502	0.688673	0.720737	0.75144	0.78407	0.81538	0.84541
Act Res Capital Stock (Bil 92\$)	0.3758031	0.4069512	0.4374238	0.466472	0.496969	0.525843	0.556	0.584365
Exog Emp (Thous)	0	-0.0236	-0.0056	0.0374	0.0694	0.0954	0.1154	0.1324
Exog Prod (Bil 92\$)	0	-0.006635	-0.013	-0.005684	0.0004163	0.005933	0.01062	0.015
Manufacturing	0.3406082	0.353713	0.364105	0.372603	0.381151	0.387751	0.394349	0.400969
Mining	1.1389679	0.96693	0.839	0.84652	0.85211	0.856648	0.86017	0.86314
Construction	0.927329	0.943345	0.940961	0.95881	0.98274	1.00892	1.03388	1.05846
Trans./Public Util.	0.4074293	0.420663	0.4332189	0.446874	0.460553	0.473311	0.48604	0.497632
Fin/Ins/Real Est	0.5486045	0.572366	0.591727	0.610441	0.626359	0.642532	0.658726	0.67391
Retail Trade	1.71162	1.792639	1.845079	1.89448	1.93369	1.9751	2.01635	2.05526
Wholesale Trade	0.162122	0.1661483	0.1699465	0.1736331	0.177296	0.180969	0.184609	0.187226
Services	5.330881	5.53832	5.7948	5.9905	6.1875	6.3939	6.6079	6.8214
Agri/For/Fish Serv	0.1651289	0.1746087	0.184422	0.193189	0.201948	0.21075	0.219545	0.228327
State and Local	1.41186	1.498769	1.58343	1.67894	1.77164	1.85999	1.9446	2.0267
Federal Civilian	0.186	0.18	0.179	0.177	0.176	0.175	0.173	0.172
Federal Military	0.074	0.076	0.075	0.077	0.078	0.079	0.081	0.082
Farm	0.321	0.316	0.31	0.304	0.298	0.293	0.287	0.281
Hotels	1.647476	1.67696	1.78379	1.82538	1.87062	1.9196	1.97122	2.02234
Amusem & Recr	0.964375	1.0017048	1.038335	1.068662	1.095879	1.122265	1.149694	1.175197
Eating & Drinking	0.4404717	0.4558419	0.4704835	0.484989	0.498451	0.512991	0.526552	0.540129
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0



## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Coi</b>								
<b>Levels caused by simulation (UNLV upda</b>								
<b>Nye County</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Employment (Thous)	15.7451	16.1286	16.4824	16.8237	17.1418	17.4461	17.7519	18.064
Population (Thous)	44.255	45.655	47.036	48.407	49.737	51.018	52.254	53.453
GRP (Bil 92\$)	0.82804	0.85621	0.88314	0.9093	0.93309	0.95572	0.97938	1.00195
State & Local Gov Spending (Bil 92\$)	0.14548	0.15269	0.15683	0.16304	0.16822	0.17235	0.17744	0.18149
Real Disp Pers Inc (Bil 92\$)	0.79876	0.82924	0.85745	0.88658	0.91499	0.94001	0.96501	0.99202
Residential Investment (Bil 92\$)	0.038692	0.038836	0.038052	0.038239	0.038309	0.037326	0.037346	0.037369
Opt Res Capital Stock (Bil 92\$)	0.87541	0.90303	0.92733	0.95357	0.97903	1.00309	1.02715	1.0532
Act Res Capital Stock (Bil 92\$)	0.6139	0.64154	0.66936	0.69632	0.7223	0.74824	0.77317	0.79806
Exog Emp (Thous)	0.1464	0.1564	0.1854	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.01897	0.02214	0.03114	0.03899	0.04053	0.04209	0.04375	0.04528
Manufacturing	0.405541	0.409063	0.414578	0.42314	0.432619	0.442079	0.452527	0.462966
Mining	0.86558	0.86735	0.8718	0.8752	0.8551	0.8391	0.824	0.813
Construction	1.08325	1.10504	1.12239	1.13548	1.14994	1.16428	1.17955	1.19779
Trans./Public Util.	0.50934	0.51989	0.53528	0.55163	0.5674	0.58393	0.60045	0.61593
Fin/Ins/Real Est	0.68818	0.70231	0.7131	0.72494	0.73705	0.74787	0.75856	0.76913
Retail Trade	2.09449	2.12915	2.16263	2.19756	2.23158	2.25947	2.28712	2.3156
Wholesale Trade	0.190826	0.192356	0.195172	0.197906	0.200266	0.202558	0.20482	0.207058
Services	7.0381	7.2523	7.443	7.6187	7.7985	7.9756	8.1532	8.3333
Agri/For/Fish Serv	0.237146	0.24493	0.253829	0.262734	0.27152	0.28024	0.28896	0.29769
State and Local	2.1056	2.1822	2.2496	2.3135	2.3758	2.432	2.4847	2.5368
Federal Civilian	0.17	0.169	0.17	0.172	0.173	0.173	0.174	0.174
Federal Military	0.084	0.085	0.086	0.086	0.087	0.087	0.088	0.088
Farm	0.275	0.268	0.266	0.263	0.261	0.258	0.255	0.253
Hotels	2.0718	2.1195	2.1844	2.2605	2.3396	2.4211	2.5029	2.5863
Amusem & Recr	1.201827	1.22839	1.24406	1.25367	1.26407	1.27337	1.28168	1.29002
Eating & Drinking	0.553842	0.56647	0.57771	0.58779	0.59827	0.60754	0.6178	0.62807
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0



## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Co</b>								
<b>Levels caused by simulation (UNLV upda</b>								
<b>Nye County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Employment (Thous)	18.36	18.633	18.902	19.146	19.376	19.592	19.795	20
Population (Thous)	54.621	55.752	56.858	57.943	59.015	60.083	61.148	62.22
GRP (Bil 92\$)	1.02455	1.04622	1.06681	1.08651	1.10604	1.12377	1.14048	1.15829
State & Local Gov Spending (Bil 92\$)	0.18651	0.19048	0.19444	0.19835	0.20224	0.20513	0.20903	0.21298
Real Disp Pers Inc (Bil 92\$)	1.01697	1.03988	1.0629	1.08478	1.10566	1.12852	1.15053	1.17671
Residential Investment (Bil 92\$)	0.037383	0.037391	0.03641	0.036411	0.035412	0.03541	0.034427	0.034453
Opt Res Capital Stock (Bil 92\$)	1.07616	1.09605	1.11698	1.13475	1.15247	1.17013	1.18789	1.2077
Act Res Capital Stock (Bil 92\$)	0.82193	0.84576	0.86856	0.89032	0.91104	0.93171	0.95136	0.96999
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.04688	0.04862	0.05015	0.05193	0.05344	0.05526	0.05698	0.05879
Manufacturing	0.473403	0.483842	0.49329	0.50274	0.51118	0.51963	0.52704	0.53448
Mining	0.801	0.788	0.778	0.7661	0.7573	0.7444	0.7335	0.7217
Construction	1.21395	1.22701	1.24214	1.2531	1.26402	1.27598	1.28565	1.29789
Trans./Public Util.	0.63243	0.64793	0.66344	0.67796	0.69141	0.70491	0.71755	0.73003
Fin/Ins/Real Est	0.7796	0.78799	0.79632	0.80357	0.81074	0.81591	0.82108	0.82723
Retail Trade	2.33988	2.359	2.3772	2.389	2.3987	2.4062	2.4129	2.4194
Wholesale Trade	0.208276	0.210481	0.211681	0.211866	0.213039	0.213207	0.212375	0.212532
Services	8.508	8.6734	8.8358	8.9884	9.1312	9.2672	9.3955	9.5228
Agri/For/Fish Serv	0.30643	0.31418	0.32195	0.32971	0.33647	0.34323	0.35002	0.3568
State and Local	2.5842	2.6301	2.6733	2.7161	2.7577	2.7972	2.838	2.879
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Federal Military	0.088	0.089	0.089	0.089	0.089	0.09	0.09	0.09
Farm	0.25	0.248	0.245	0.243	0.24	0.238	0.236	0.233
Hotels	2.6702	2.7536	2.8356	2.916	2.9929	3.0681	3.1395	3.2102
Amusem & Recr	1.29636	1.3017	1.30509	1.30742	1.30872	1.30798	1.30621	1.30444
Eating & Drinking	0.63833	0.6466	0.65493	0.66221	0.66947	0.6767	0.68299	0.69026
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Col</b>								
<b>Levels caused by simulation (UNLV upda</b>								
<b>Nye County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment (Thous)	20.202	20.401	20.594	20.793	21.02	21.256	21.503	21.771
Population (Thous)	63.304	64.403	65.516	66.647	67.801	68.976	70.168	71.377
GRP (Bil 92\$)	1.17601	1.19284	1.20973	1.22754	1.24759	1.26771	1.289	1.3115
State & Local Gov Spending (Bil 92\$)	0.21595	0.21995	0.22399	0.22806	0.23224	0.23647	0.24075	0.24509
Real Disp Pers Inc (Bil 92\$)	1.20294	1.23136	1.25981	1.2894	1.32249	1.35571	1.3892	1.4249
Residential Investment (Bil 92\$)	0.03448	0.035524	0.035567	0.035622	0.035719	0.036823	0.036945	0.038085
Opt Res Capital Stock (Bil 92\$)	1.22649	1.24741	1.26733	1.28834	1.31069	1.33415	1.35682	1.3827
Act Res Capital Stock (Bil 92\$)	0.9896	1.00822	1.02784	1.04647	1.06516	1.0849	1.10473	1.12465
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.06048	0.0623	0.06417	0.06586	0.06768	0.06958	0.07161	0.07378
Manufacturing	0.5419	0.54931	0.55572	0.56213	0.56956	0.57799	0.58543	0.59592
Mining	0.7118	0.701	0.6912	0.6844	0.6776	0.6718	0.666	0.6612
Construction	1.30918	1.32159	1.334	1.3466	1.3636	1.3797	1.398	1.4186
Trans./Public Util.	0.74252	0.75398	0.76544	0.77688	0.79041	0.80297	0.81758	0.83125
Fin/Ins/Real Est	0.83134	0.83646	0.84056	0.84465	0.84983	0.85502	0.86125	0.86754
Retail Trade	2.4256	2.4318	2.4369	2.4408	2.4502	2.4595	2.4688	2.4814
Wholesale Trade	0.211669	0.210797	0.209909	0.208011	0.207121	0.206218	0.205312	0.204408
Services	9.6458	9.7658	9.8827	9.9985	10.1282	10.2612	10.4008	10.5503
Agri/For/Fish Serv	0.36458	0.37137	0.37816	0.38495	0.39181	0.39969	0.4066	0.41455
State and Local	2.9215	2.9645	3.009	3.0542	3.1034	3.1545	3.2084	3.2632
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.176	0.176
Federal Military	0.091	0.091	0.091	0.091	0.092	0.092	0.093	0.093
Farm	0.231	0.229	0.226	0.224	0.222	0.22	0.217	0.215
Hotels	3.2779	3.3437	3.4086	3.4736	3.541	3.6096	3.6827	3.7582
Amusem & Recr	1.3016	1.29874	1.29584	1.29189	1.29002	1.28812	1.28721	1.28637
Eating & Drinking	0.6975	0.70576	0.71298	0.7212	0.73056	0.73995	0.74938	0.7609
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 1992 Cor</b>					
<b>Levels caused by simulation (UNLV upda</b>					
<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	22.069	22.401	22.752	23.107	23.465
Population (Thous)	72.6	73.855	75.15	76.459	77.788
GRP (Bil 92\$)	1.3359	1.3636	1.3915	1.4206	1.4488
State & Local Gov Spending (Bil 92\$)	0.24948	0.255	0.25959	0.26526	0.26999
Real Disp Pers Inc (Bil 92\$)	1.4631	1.5059	1.5502	1.5959	1.6408
Residential Investment (Bil 92\$)	0.039268	0.040497	0.041749	0.043015	0.044282
Opt Res Capital Stock (Bil 92\$)	1.41	1.4408	1.473	1.5055	1.5382
Act Res Capital Stock (Bil 92\$)	1.14471	1.16695	1.18939	1.21304	1.23789
Exog Emp (Thous)	0.2084	0.2084	0.2084	0.2084	0.2084
Exog Prod (Bil 92\$)	0.07561	0.07755	0.07958	0.0818	0.08413
Manufacturing	0.60544	0.61702	0.62963	0.64227	0.65494
Mining	0.6605	0.6598	0.6591	0.6584	0.6577
Construction	1.4427	1.4713	1.5013	1.5325	1.5629
Trans./Public Util.	0.84702	0.86496	0.88295	0.90105	0.92028
Fin/Ins/Real Est	0.87386	0.88232	0.89085	0.89944	0.90808
Retail Trade	2.4973	2.5189	2.5417	2.5647	2.5868
Wholesale Trade	0.203517	0.203644	0.202777	0.202916	0.20306
Services	10.711	10.8885	11.0755	11.2665	11.4574
Agri/For/Fish Serv	0.42357	0.43269	0.44189	0.45214	0.46144
State and Local	3.3199	3.3799	3.443	3.5081	3.5743
Federal Civilian	0.176	0.177	0.177	0.178	0.178
Federal Military	0.094	0.094	0.095	0.096	0.096
Farm	0.213	0.211	0.209	0.207	0.205
Hotels	3.8383	3.9232	4.0128	4.104	4.1968
Amusem & Recr	1.28657	1.28886	1.29121	1.29354	1.29489
Eating & Drinking	0.77358	0.78847	0.80453	0.82069	0.83691
<b>Migrants</b>					
Total Migrants	0	0	0	0	0

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands</b>								
<b>BASELINE LEVELS</b>								
<b>Nye County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	12.726	13.001	13.310	13.725	14.127	14.537	14.947	15.348
Population (Thous)	30.315	32.485	34.455	36.315	38.055	39.715	41.295	42.805
GRP (Bil 2000\$)	0.650	0.670	0.692	0.724	0.756	0.788	0.819	0.851
State & Local Gov Spending (Bil 2000\$)	0.096	0.103	0.110	0.118	0.126	0.133	0.141	0.148
Real Disp Pers Inc (Bil 2000\$)	0.592	0.623	0.652	0.685	0.717	0.751	0.785	0.819
Residential Investment (Bil 2000\$)	0.041	0.041	0.040	0.040	0.040	0.040	0.041	0.041
Opt Res Capital Stock (Bil 2000\$)	0.684	0.708	0.735	0.769	0.802	0.836	0.870	0.902
Act Res Capital Stock (Bil 2000\$)	0.401	0.434	0.467	0.498	0.530	0.561	0.593	0.623
Exog Emp (Thous)	0.000	-0.024	-0.006	0.037	0.069	0.095	0.115	0.132
Exog Prod (Bil 2000\$)	0.000	-0.007	-0.014	-0.006	0.000	0.006	0.011	0.016
Manufacturing	0.341	0.354	0.364	0.373	0.381	0.388	0.394	0.401
Mining	1.139	0.967	0.839	0.847	0.852	0.857	0.860	0.863
Construction	0.927	0.943	0.941	0.959	0.983	1.009	1.034	1.058
Trans./Public Util.	0.407	0.421	0.433	0.447	0.461	0.473	0.486	0.498
Fin/Ins/Real Est	0.549	0.572	0.592	0.610	0.626	0.643	0.659	0.674
Retail Trade	1.712	1.793	1.845	1.894	1.934	1.975	2.016	2.055
Wholesale Trade	0.162	0.166	0.170	0.174	0.177	0.181	0.185	0.187
Services	5.331	5.538	5.795	5.991	6.188	6.394	6.608	6.821
Agri/For/Fish Serv	0.165	0.175	0.184	0.193	0.202	0.211	0.220	0.228
State and Local	1.412	1.499	1.583	1.679	1.772	1.860	1.945	2.027
Federal Civilian	0.186	0.180	0.179	0.177	0.176	0.175	0.173	0.172
Federal Military	0.074	0.076	0.075	0.077	0.078	0.079	0.081	0.082
Farm	0.321	0.316	0.310	0.304	0.298	0.293	0.287	0.281
Hotels	1.647	1.677	1.784	1.825	1.871	1.920	1.971	2.022
Amusem & Recr	0.964	1.002	1.038	1.069	1.096	1.122	1.150	1.175
Eating & Drinking	0.440	0.456	0.470	0.485	0.498	0.513	0.527	0.540
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

### Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 2000 Coi</b>								
<b>BASELINE LEVELS</b>								
<b>Nye County</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Employment (Thous)	15.745	16.129	16.482	16.824	17.142	17.446	17.752	18.064
Population (Thous)	44.255	45.655	47.036	48.407	49.737	51.018	52.254	53.453
GRP (Bil 2000\$)	0.883	0.913	0.942	0.970	0.995	1.019	1.045	1.069
State & Local Gov Spending (Bil 2000\$)	0.155	0.163	0.167	0.174	0.179	0.184	0.189	0.194
Real Disp Pers Inc (Bil 2000\$)	0.852	0.885	0.915	0.946	0.976	1.003	1.029	1.058
Residential Investment (Bil 2000\$)	0.041	0.041	0.041	0.041	0.041	0.040	0.040	0.040
Opt Res Capital Stock (Bil 2000\$)	0.934	0.963	0.989	1.017	1.044	1.070	1.096	1.123
Act Res Capital Stock (Bil 2000\$)	0.655	0.684	0.714	0.743	0.770	0.798	0.825	0.851
Exog Emp (Thous)	0.146	0.156	0.185	0.208	0.208	0.208	0.208	0.208
Exog Prod (Bil 2000\$)	0.020	0.024	0.033	0.042	0.043	0.045	0.047	0.048
Manufacturing	0.406	0.409	0.415	0.423	0.433	0.442	0.453	0.463
Mining	0.866	0.867	0.872	0.875	0.855	0.839	0.824	0.813
Construction	1.083	1.105	1.122	1.135	1.150	1.164	1.180	1.198
Trans./Public Util.	0.509	0.520	0.535	0.552	0.567	0.584	0.600	0.616
Fin/Ins/Real Est	0.688	0.702	0.713	0.725	0.737	0.748	0.759	0.769
Retail Trade	2.094	2.129	2.163	2.198	2.232	2.259	2.287	2.316
Wholesale Trade	0.191	0.192	0.195	0.198	0.200	0.203	0.205	0.207
Services	7.038	7.252	7.443	7.619	7.799	7.976	8.153	8.333
Agri/For/Fish Serv	0.237	0.245	0.254	0.263	0.272	0.280	0.289	0.298
State and Local	2.106	2.182	2.250	2.314	2.376	2.432	2.485	2.537
Federal Civilian	0.170	0.169	0.170	0.172	0.173	0.173	0.174	0.174
Federal Military	0.084	0.085	0.086	0.086	0.087	0.087	0.088	0.088
Farm	0.275	0.268	0.266	0.263	0.261	0.258	0.255	0.253
Hotels	2.072	2.120	2.184	2.261	2.340	2.421	2.503	2.586
Amusem & Recr	1.202	1.228	1.244	1.254	1.264	1.273	1.282	1.290
Eating & Drinking	0.554	0.566	0.578	0.588	0.598	0.608	0.618	0.628
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 2000 Coi</b>								
<b>BASELINE LEVELS</b>								
<b>Nye County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Employment (Thous)	18.360	18.633	18.902	19.146	19.376	19.592	19.795	20.000
Population (Thous)	54.621	55.752	56.858	57.943	59.015	60.083	61.148	62.220
GRP (Bil 2000\$)	1.093	1.116	1.138	1.159	1.180	1.199	1.217	1.236
State & Local Gov Spending (Bil 2000\$)	0.199	0.203	0.207	0.212	0.216	0.219	0.223	0.227
Real Disp Pers Inc (Bil 2000\$)	1.085	1.109	1.134	1.157	1.179	1.204	1.227	1.255
Residential Investment (Bil 2000\$)	0.040	0.040	0.039	0.039	0.038	0.038	0.037	0.037
Opt Res Capital Stock (Bil 2000\$)	1.148	1.169	1.191	1.210	1.229	1.248	1.267	1.288
Act Res Capital Stock (Bil 2000\$)	0.877	0.902	0.926	0.950	0.972	0.994	1.015	1.035
Exog Emp (Thous)	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
Exog Prod (Bil 2000\$)	0.050	0.052	0.053	0.055	0.057	0.059	0.061	0.063
Manufacturing	0.473	0.484	0.493	0.503	0.511	0.520	0.527	0.534
Mining	0.801	0.788	0.778	0.766	0.757	0.744	0.734	0.722
Construction	1.214	1.227	1.242	1.253	1.264	1.276	1.286	1.298
Trans./Public Util.	0.632	0.648	0.663	0.678	0.691	0.705	0.718	0.730
Fin/Ins/Real Est	0.780	0.788	0.796	0.804	0.811	0.816	0.821	0.827
Retail Trade	2.340	2.359	2.377	2.389	2.399	2.406	2.413	2.419
Wholesale Trade	0.208	0.210	0.212	0.212	0.213	0.213	0.212	0.213
Services	8.508	8.673	8.836	8.988	9.131	9.267	9.396	9.523
Agri/For/Fish Serv	0.306	0.314	0.322	0.330	0.336	0.343	0.350	0.357
State and Local	2.584	2.630	2.673	2.716	2.758	2.797	2.838	2.879
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Federal Military	0.088	0.089	0.089	0.089	0.089	0.090	0.090	0.090
Farm	0.250	0.248	0.245	0.243	0.240	0.238	0.236	0.233
Hotels	2.670	2.754	2.836	2.916	2.993	3.068	3.140	3.210
Amusem & Recr	1.296	1.302	1.305	1.307	1.309	1.308	1.306	1.304
Eating & Drinking	0.638	0.647	0.655	0.662	0.669	0.677	0.683	0.690
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 2000 Coi</b>								
<b>BASELINE LEVELS</b>								
<b>Nye County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment (Thous)	20.202	20.401	20.594	20.793	21.020	21.256	21.503	21.771
Population (Thous)	63.304	64.403	65.516	66.647	67.801	68.976	70.168	71.377
GRP (Bil 2000\$)	1.254	1.272	1.290	1.309	1.331	1.352	1.375	1.399
State & Local Gov Spending (Bil 2000\$)	0.230	0.235	0.239	0.243	0.248	0.252	0.257	0.261
Real Disp Pers Inc (Bil 2000\$)	1.283	1.313	1.344	1.375	1.411	1.446	1.482	1.520
Residential Investment (Bil 2000\$)	0.037	0.038	0.038	0.038	0.038	0.039	0.039	0.041
Opt Res Capital Stock (Bil 2000\$)	1.308	1.331	1.352	1.374	1.398	1.423	1.447	1.475
Act Res Capital Stock (Bil 2000\$)	1.056	1.075	1.096	1.116	1.136	1.157	1.178	1.200
Exog Emp (Thous)	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
Exog Prod (Bil 2000\$)	0.065	0.066	0.068	0.070	0.072	0.074	0.076	0.079
Manufacturing	0.542	0.549	0.556	0.562	0.570	0.578	0.585	0.596
Mining	0.712	0.701	0.691	0.684	0.678	0.672	0.666	0.661
Construction	1.309	1.322	1.334	1.347	1.364	1.380	1.398	1.419
Trans./Public Util.	0.743	0.754	0.765	0.777	0.790	0.803	0.818	0.831
Fin/Ins/Real Est	0.831	0.836	0.841	0.845	0.850	0.855	0.861	0.868
Retail Trade	2.426	2.432	2.437	2.441	2.450	2.460	2.469	2.481
Wholesale Trade	0.212	0.211	0.210	0.208	0.207	0.206	0.205	0.204
Services	9.646	9.766	9.883	9.999	10.128	10.261	10.401	10.550
Agri/For/Fish Serv	0.365	0.371	0.378	0.385	0.392	0.400	0.407	0.415
State and Local	2.922	2.965	3.009	3.054	3.103	3.155	3.208	3.263
Federal Civilian	0.175	0.175	0.175	0.175	0.175	0.175	0.176	0.176
Federal Military	0.091	0.091	0.091	0.091	0.092	0.092	0.093	0.093
Farm	0.231	0.229	0.226	0.224	0.222	0.220	0.217	0.215
Hotels	3.278	3.344	3.409	3.474	3.541	3.610	3.683	3.758
Amusem & Recr	1.302	1.299	1.296	1.292	1.290	1.288	1.287	1.286
Eating & Drinking	0.698	0.706	0.713	0.721	0.731	0.740	0.749	0.761
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 6. Implementing Alternative Baseline, Nye County Output.

<b>LEVELS: Dollar amounts are in 2000 Coi</b>					
<b>BASELINE LEVELS</b>					
<b>Nye County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	22.069	22.401	22.752	23.107	23.465
Population (Thous)	72.600	73.855	75.150	76.459	77.788
GRP (Bil 2000\$)	1.425	1.455	1.484	1.515	1.545
State & Local Gov Spending (Bil 2000\$)	0.266	0.272	0.277	0.283	0.288
Real Disp Pers Inc (Bil 2000\$)	1.561	1.606	1.654	1.702	1.750
Residential Investment (Bil 2000\$)	0.042	0.043	0.045	0.046	0.047
Opt Res Capital Stock (Bil 2000\$)	1.504	1.537	1.571	1.606	1.641
Act Res Capital Stock (Bil 2000\$)	1.221	1.245	1.269	1.294	1.320
Exog Emp (Thous)	0.208	0.208	0.208	0.208	0.208
Exog Prod (Bil 2000\$)	0.081	0.083	0.085	0.087	0.090
Manufacturing	0.605	0.617	0.630	0.642	0.655
Mining	0.661	0.660	0.659	0.658	0.658
Construction	1.443	1.471	1.501	1.533	1.563
Trans./Public Util.	0.847	0.865	0.883	0.901	0.920
Fin/Ins/Real Est	0.874	0.882	0.891	0.899	0.908
Retail Trade	2.497	2.519	2.542	2.565	2.587
Wholesale Trade	0.204	0.204	0.203	0.203	0.203
Services	10.711	10.889	11.076	11.267	11.457
Agri/For/Fish Serv	0.424	0.433	0.442	0.452	0.461
State and Local	3.320	3.380	3.443	3.508	3.574
Federal Civilian	0.176	0.177	0.177	0.178	0.178
Federal Military	0.094	0.094	0.095	0.096	0.096
Farm	0.213	0.211	0.209	0.207	0.205
Hotels	3.838	3.923	4.013	4.104	4.197
Amusem & Recr	1.287	1.289	1.291	1.294	1.295
Eating & Drinking	0.774	0.788	0.805	0.821	0.837
<b>Migrants</b>					
Total Migrants	0.000	0.000	0.000	0.000	0.000



## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Total Emp (Thous)	1.995	2.04	2.074	2.113	2.144	2.176	2.209	2.24
Population (Thous)	4.258	4.297	4.331	4.362	4.394	4.431	4.472	4.515
GRP (Bil 92\$)	0.083	0.086	0.088	0.091	0.093	0.096	0.099	0.102
State & Local Gov Spending (Bil 92\$)	0.024	0.024	0.025	0.025	0.026	0.027	0.027	0.028
Real Disp Pers Inc (Bil 92\$)	0.074	0.076	0.079	0.081	0.084	0.086	0.089	0.092
Residential Investment (Bil 92\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 92\$)	0.053	0.054	0.055	0.057	0.058	0.06	0.061	0.063
Act Res Capital Stock (Bil 92\$)	0.042	0.043	0.044	0.045	0.046	0.047	0.048	0.05
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.037	0.039	0.04	0.042	0.043	0.043	0.044	0.044
Mining	0.035	0.033	0.032	0.032	0.031	0.031	0.031	0.031
Construction	0.045	0.046	0.046	0.047	0.048	0.049	0.05	0.05
Trans./Public Util.	0.061	0.064	0.066	0.068	0.069	0.071	0.072	0.074
Fin/Ins/Real Est	0.093	0.095	0.096	0.097	0.097	0.098	0.099	0.099
Retail Trade	0.298	0.312	0.32	0.325	0.329	0.334	0.338	0.342
Wholesale Trade	0.01	0.01	0.01	0.011	0.011	0.011	0.011	0.011
Services	0.659	0.683	0.702	0.722	0.737	0.752	0.768	0.783
Agri/For/Fish Serv	0.023	0.023	0.024	0.024	0.025	0.025	0.025	0.026
State and Local	0.553	0.557	0.563	0.574	0.585	0.596	0.607	0.618
Federal Civilian	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031
Federal Military	0.009	0.009	0.009	0.009	0.009	0.009	0.01	0.01
Farm	0.139	0.137	0.134	0.132	0.129	0.127	0.124	0.121
Hotels	0.1	0.105	0.109	0.113	0.116	0.119	0.122	0.124
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.102	0.106	0.109	0.111	0.113	0.115	0.117	0.12
<b>Migrants</b>								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Adjusted Regional Control Levels (after DETR update)								
Lincoln County	2007	2008	2009	2010	2011	2012	2013	2014
Total Emp (Thous)	2.27	2.3	2.329	2.355	2.383	2.408	2.433	2.458
Population (Thous)	4.557	4.602	4.65	4.7	4.749	4.8	4.856	4.914
GRP (Bil 92\$)	0.104	0.107	0.109	0.112	0.114	0.116	0.118	0.121
State & Local Gov Spending (Bil 92\$)	0.029	0.029	0.03	0.03	0.031	0.031	0.031	0.032
Real Disp Pers Inc (Bil 92\$)	0.094	0.097	0.1	0.102	0.105	0.107	0.109	0.111
Residential Investment (Bil 92\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 92\$)	0.064	0.066	0.067	0.068	0.07	0.071	0.072	0.073
Act Res Capital Stock (Bil 92\$)	0.051	0.052	0.053	0.054	0.055	0.057	0.058	0.059
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.044	0.044	0.045	0.045	0.046	0.047	0.048	0.049
Mining	0.031	0.031	0.03	0.03	0.029	0.029	0.029	0.028
Construction	0.051	0.052	0.053	0.053	0.053	0.054	0.054	0.055
Trans./Public Util.	0.075	0.076	0.078	0.078	0.078	0.078	0.078	0.078
Fin/Ins/Real Est	0.1	0.1	0.1	0.1	0.101	0.101	0.101	0.101
Retail Trade	0.346	0.35	0.354	0.358	0.362	0.365	0.367	0.37
Wholesale Trade	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Services	0.798	0.812	0.827	0.841	0.855	0.869	0.883	0.896
Agri/For/Fish Serv	0.026	0.027	0.027	0.028	0.029	0.029	0.03	0.031
State and Local	0.629	0.64	0.649	0.657	0.665	0.672	0.679	0.687
Federal Civilian	0.03	0.03	0.03	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Farm	0.119	0.116	0.115	0.114	0.113	0.112	0.11	0.109
Hotels	0.127	0.129	0.132	0.135	0.139	0.143	0.146	0.15
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.122	0.124	0.126	0.127	0.129	0.13	0.132	0.133
<b>Migrants</b>								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Total Emp (Thous)	2.481	2.503	2.523	2.541	2.559	2.574	2.588	2.602
Population (Thous)	4.974	5.034	5.093	5.15	5.205	5.256	5.305	5.352
GRP (Bil 92\$)	0.123	0.125	0.127	0.129	0.131	0.132	0.134	0.136
State & Local Gov Spending (Bil 92\$)	0.032	0.033	0.033	0.034	0.034	0.034	0.035	0.035
Real Disp Pers Inc (Bil 92\$)	0.113	0.114	0.116	0.118	0.12	0.122	0.124	0.126
Residential Investment (Bil 92\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 92\$)	0.074	0.075	0.076	0.077	0.078	0.079	0.08	0.081
Act Res Capital Stock (Bil 92\$)	0.06	0.061	0.062	0.063	0.064	0.065	0.066	0.067
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.05	0.05	0.051	0.052	0.052	0.053	0.053	0.054
Mining	0.028	0.028	0.028	0.027	0.027	0.027	0.026	0.026
Construction	0.055	0.056	0.056	0.057	0.057	0.058	0.058	0.058
Trans./Public Util.	0.078	0.078	0.077	0.077	0.076	0.076	0.075	0.074
Fin/Ins/Real Est	0.101	0.102	0.101	0.101	0.101	0.101	0.101	0.1
Retail Trade	0.372	0.374	0.376	0.377	0.378	0.378	0.378	0.378
Wholesale Trade	0.011	0.011	0.012	0.012	0.012	0.011	0.011	0.011
Services	0.909	0.921	0.933	0.944	0.955	0.965	0.974	0.984
Agri/For/Fish Serv	0.031	0.032	0.033	0.033	0.034	0.035	0.035	0.036
State and Local	0.695	0.702	0.709	0.715	0.721	0.727	0.732	0.738
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.108	0.107	0.106	0.105	0.104	0.103	0.102	0.101
Hotels	0.154	0.157	0.161	0.164	0.168	0.171	0.174	0.176
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.134	0.136	0.137	0.138	0.139	0.14	0.141	0.142
<b>Migrants</b>								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Lincoln County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Total Emp (Thous)	2.616	2.631	2.645	2.659	2.676	2.695	2.715	2.737
Population (Thous)	5.398	5.443	5.488	5.532	5.574	5.615	5.658	5.7
GRP (Bil 92\$)	0.137	0.139	0.141	0.143	0.145	0.147	0.149	0.151
State & Local Gov Spending (Bil 92\$)	0.035	0.035	0.036	0.036	0.036	0.037	0.037	0.037
Real Disp Pers Inc (Bil 92\$)	0.129	0.131	0.134	0.136	0.139	0.142	0.145	0.148
Residential Investment (Bil 92\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 92\$)	0.082	0.083	0.084	0.085	0.086	0.087	0.088	0.089
Act Res Capital Stock (Bil 92\$)	0.068	0.069	0.07	0.071	0.072	0.073	0.074	0.075
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.054	0.054	0.054	0.055	0.055	0.055	0.056	0.056
Mining	0.026	0.025	0.025	0.025	0.025	0.024	0.024	0.024
Construction	0.059	0.059	0.059	0.059	0.06	0.06	0.061	0.061
Trans./Public Util.	0.073	0.073	0.072	0.071	0.07	0.069	0.068	0.068
Fin/Ins/Real Est	0.1	0.099	0.099	0.099	0.098	0.098	0.098	0.098
Retail Trade	0.378	0.379	0.379	0.379	0.38	0.381	0.382	0.383
Wholesale Trade	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Services	0.993	1.003	1.013	1.023	1.034	1.045	1.058	1.071
Agri/For/Fish Serv	0.036	0.037	0.037	0.038	0.039	0.039	0.04	0.041
State and Local	0.743	0.749	0.755	0.761	0.767	0.774	0.781	0.789
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.1	0.099	0.098	0.097	0.096	0.095	0.094	0.093
Hotels	0.179	0.182	0.185	0.188	0.191	0.194	0.197	0.201
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.144	0.145	0.146	0.147	0.149	0.15	0.152	0.154
<b>Migrants</b>								
<b>Total Migrants</b>								

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>Adjusted Regional Control</b>					
<b>Levels (after DETR update)</b>					
<b>Lincoln County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	2.761	2.788	2.818	2.849	2.879
Population (Thous)	5.741	5.782	5.822	5.867	5.913
GRP (Bil 92\$)	0.153	0.156	0.158	0.161	0.164
State & Local Gov Spending (Bil 92\$)	0.038	0.038	0.038	0.039	0.039
Real Disp Pers Inc (Bil 92\$)	0.151	0.155	0.159	0.163	0.166
Residential Investment (Bil 92\$)	0.002	0.003	0.003	0.003	0.003
Opt Res Capital Stock (Bil 92\$)	0.091	0.092	0.094	0.095	0.097
Act Res Capital Stock (Bil 92\$)	0.075	0.077	0.078	0.079	0.08
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	0.057	0.058	0.058	0.059	0.06
Mining	0.024	0.024	0.024	0.025	0.025
Construction	0.062	0.063	0.064	0.065	0.066
Trans./Public Util.	0.067	0.067	0.066	0.066	0.065
Fin/Ins/Real Est	0.098	0.098	0.098	0.099	0.099
Retail Trade	0.385	0.388	0.391	0.395	0.398
Wholesale Trade	0.011	0.011	0.011	0.011	0.011
Services	1.084	1.099	1.115	1.132	1.148
Agri/For/Fish Serv	0.042	0.042	0.043	0.044	0.045
State and Local	0.796	0.804	0.813	0.822	0.831
Federal Civilian	0.031	0.031	0.032	0.032	0.032
Federal Military	0.011	0.011	0.011	0.011	0.011
Farm	0.092	0.091	0.09	0.089	0.089
Hotels	0.204	0.208	0.213	0.217	0.222
Amusem & Recr	0	0	0	0	0
Eating & Drinking	0.156	0.159	0.161	0.164	0.167
<b>Migrants</b>					
Total Migrants					

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	1999	2000	2001	2002	2003	2004	2005	2006
<b>Changes caused by simulation (UNLV update + DOE + Nye county) w/o Economic Migration Adjustment</b>								
Total Emp (Thous)	0	0.002084	0.0002685	0.0004027	0.0005066	0.0005865	0.000643	-0.0006473
Population (Thous)	0	0.0009398	0.001934	0.002538	0.003079	0.003575	0.003993	0.004309
GRP (Bil 92\$)	0.00E+00	7.49E-05	7.73E-06	1.40E-05	1.95E-05	2.39E-05	2.73E-05	-2.35E-05
State & Local Gov Spending (Bil 92\$)	0	5.34E-06	1.10E-05	1.47E-05	1.82E-05	2.14E-05	2.43E-05	2.66E-05
Real Disp Pers Inc (Bil 92\$)	0	0.0001025	8.48E-05	9.02E-05	9.48E-05	9.88E-05	0.0001022	9.44E-05
Residential Investment (Bil 92\$)	0.00E+00	9.21E-06	6.39E-06	6.06E-06	5.71E-06	5.35E-06	5.00E-06	3.71E-06
Opt Res Capital Stock (Bil 92\$)	0	7.26E-05	5.94E-05	6.30E-05	6.59E-05	6.83E-05	7.04E-05	6.47E-05
Act Res Capital Stock (Bil 92\$)	0.00E+00	9.20E-06	1.55E-05	2.13E-05	2.66E-05	3.15E-05	3.60E-05	3.92E-05
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.00E+00	3.98E-05	3.55E-05	3.39E-05	3.23E-05	3.06E-05	2.88E-05	2.79E-05
Mining	0.00E+00	2.40E-05	9.52E-06	1.01E-05	1.05E-05	1.09E-05	1.11E-05	1.10E-05
Construction	0.00E+00	7.29E-05	9.02E-05	9.22E-05	9.37E-05	9.43E-05	9.42E-05	0.0001207
Trans./Public Util.	0.00E+00	8.44E-05	5.49E-05	5.20E-05	4.92E-05	4.67E-05	4.44E-05	3.00E-05
Fin/Ins/Real Est	0.00E+00	7.13E-05	4.72E-05	4.55E-05	4.34E-05	4.13E-05	3.91E-05	2.93E-05
Retail Trade	0.00E+00	0.000918	0.0006554	0.0006397	6.22E-04	0.0006039	0.0005873	0.0004838
Wholesale Trade	0.00E+00	2.53E-05	1.89E-05	1.96E-05	1.99E-05	2.00E-05	1.99E-05	1.95E-05
Services	0.00E+00	0.0006	0.0009025	0.0009211	0.0009244	0.0009204	0.0009117	0.001184
Agri/For/Fish Serv	0.00E+00	7.16E-05	4.94E-05	4.89E-05	4.84E-05	4.80E-05	4.74E-05	3.82E-05
State and Local	0	0.0001771	-0.001595	-0.001461	-0.001337	-0.001229	-0.001141	-0.002591
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.00E+00	-2.50E-06	-1.18E-05	-1.94E-05	-2.61E-05	-3.18E-05	-3.64E-05	-4.15E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0	0.0002425	1.68E-04	0.0001641	0.00016	0.0001561	0.0001528	0.0001223

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2007	2008	2009	2010	2011	2012	2013	2014
<b>Changes caused by simulation (UNLV upd.</b>								
Total Emp (Thous)	-0.0006075	-0.0005763	-0.0005319	-0.0005054	0.0009382	0.0008981	0.0008233	0.0007241
Population (Thous)	0.004589	0.004847	0.00512	0.005392	0.005686	0.005925	0.006096	0.006191
GRP (Bil 92\$)	-2.15E-05	-1.99E-05	-1.75E-05	-1.58E-05	4.37E-05	4.26E-05	3.99E-05	3.61E-05
State & Local Gov Spending (Bil 92\$)	2.88E-05	3.08E-05	3.27E-05	3.46E-05	3.66E-05	3.83E-05	3.95E-05	4.02E-05
Real Disp Pers Inc (Bil 92\$)	9.75E-05	0.0001009	0.0001066	0.0001116	0.0001274	0.0001297	0.0001303	0.0001299
Residential Investment (Bil 92\$)	3.54E-06	3.42E-06	3.51E-06	3.53E-06	4.48E-06	4.18E-06	3.79E-06	3.36E-06
Opt Res Capital Stock (Bil 92\$)	6.64E-05	6.84E-05	7.17E-05	7.46E-05	8.49E-05	8.61E-05	8.62E-05	8.57E-05
Act Res Capital Stock (Bil 92\$)	4.21E-05	4.48E-05	4.76E-05	5.04E-05	5.41E-05	5.74E-05	6.02E-05	6.26E-05
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	2.62E-05	2.46E-05	2.38E-05	2.30E-05	2.16E-05	2.01E-05	1.83E-05	1.64E-05
Mining	1.16E-05	1.22E-05	1.51E-05	1.74E-05	1.77E-05	1.71E-05	1.66E-05	1.61E-05
Construction	0.0001207	0.0001207	0.0001242	0.0001254	9.44E-05	9.16E-05	8.81E-05	8.43E-05
Trans./Public Util.	2.92E-05	2.87E-05	2.98E-05	2.99E-05	4.28E-05	4.07E-05	3.81E-05	3.54E-05
Fin/Ins/Real Est	2.80E-05	2.67E-05	2.68E-05	2.63E-05	3.19E-05	2.92E-05	2.63E-05	2.34E-05
Retail Trade	0.0004789	0.0004767	0.0004893	0.0004955	0.0005847	0.0005663	0.0005412	0.0005134
Wholesale Trade	1.93E-05	1.91E-05	2.02E-05	2.10E-05	2.12E-05	2.06E-05	1.97E-05	1.88E-05
Services	0.00117	0.001153	0.001148	0.001133	0.0007973	0.0007737	0.0007432	0.0007083
Agri/For/Fish Serv	3.82E-05	3.82E-05	4.06E-05	4.24E-05	5.20E-05	5.05E-05	4.85E-05	4.63E-05
State and Local	-0.00253	-0.002476	-0.00245	-0.002418	-0.0007254	-0.0007114	-0.0007166	-0.0007386
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-4.52E-05	-4.81E-05	-5.07E-05	-5.32E-05	-5.34E-05	-5.39E-05	-5.37E-05	-5.30E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.0001227	0.0001239	0.0001295	0.000133	0.0001629	0.0001592	0.0001541	0.0001484

## Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2015	2016	2017	2018	2019	2020	2021	2022
<b>Changes caused by simulation (UNLV upd</b>								
Total Emp (Thous)	0.0006065	0.000474	0.0003262	0.0001633	-1.34E-05	-0.0002019	0.0008731	0.0006738
Population (Thous)	0.006216	0.006179	0.006087	0.005946	0.005765	0.005552	0.005352	0.005132
GRP (Bil 92\$)	3.13E-05	2.57E-05	1.93E-05	1.20E-05	4.04E-06	-4.59E-06	4.03E-05	3.12E-05
State & Local Gov Spending (Bil 92\$)	4.04E-05	4.02E-05	3.97E-05	3.88E-05	3.76E-05	3.62E-05	3.49E-05	3.34E-05
Real Disp Pers Inc (Bil 92\$)	0.0001287	0.0001269	0.0001247	0.0001217	0.0001183	0.0001145	0.0001223	0.0001187
Residential Investment (Bil 92\$)	2.93E-06	2.50E-06	2.09E-06	1.68E-06	1.28E-06	8.96E-07	1.51E-06	1.10E-06
Opt Res Capital Stock (Bil 92\$)	8.47E-05	8.33E-05	8.14E-05	7.92E-05	7.67E-05	7.39E-05	7.85E-05	7.57E-05
Act Res Capital Stock (Bil 92\$)	6.46E-05	6.61E-05	6.71E-05	6.77E-05	6.79E-05	6.77E-05	6.82E-05	6.82E-05
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	1.45E-05	1.25E-05	1.06E-05	8.80E-06	6.97E-06	5.15E-06	3.43E-06	1.80E-06
Mining	1.58E-05	1.55E-05	1.52E-05	1.51E-05	1.50E-05	1.49E-05	1.51E-05	1.49E-05
Construction	8.05E-05	7.66E-05	7.27E-05	6.89E-05	6.51E-05	6.14E-05	2.69E-05	2.31E-05
Trans./Public Util.	3.28E-05	3.04E-05	2.79E-05	2.56E-05	2.34E-05	2.11E-05	2.90E-05	2.61E-05
Fin/Ins/Real Est	2.07E-05	1.82E-05	1.58E-05	1.37E-05	1.16E-05	9.70E-06	1.32E-05	1.12E-05
Retail Trade	0.0004849	0.0004565	0.0004283	0.0004005	0.0003726	0.000345	0.0003899	0.0003585
Wholesale Trade	1.79E-05	1.71E-05	1.62E-05	1.55E-05	1.48E-05	1.41E-05	1.40E-05	1.35E-05
Services	0.0006708	0.0006318	0.0005894	0.0005418	0.0004898	0.0004332	0.0001013	4.03E-05
Agri/For/Fish Serv	4.40E-05	4.17E-05	3.93E-05	3.69E-05	3.44E-05	3.18E-05	3.84E-05	3.52E-05
State and Local	-0.0007755	-0.0008267	-0.0008895	-0.0009636	-0.001047	-0.001138	0.0002418	0.0001493
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-5.16E-05	-4.95E-05	-4.69E-05	-4.38E-05	-4.03E-05	-3.66E-05	-3.08E-05	-2.55E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.0001426	0.0001371	0.0001317	0.0001263	0.0001209	0.0001154	0.0001335	0.0001265



# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2023	2024	2025	2026	2027	2028	2029	2030
Changes caused by simulation (UNLV upd								
Total Emp (Thous)	0.0004499	0.0002079	-4.89E-05	-0.0003171	-6.04E-04	-0.0009067	-0.001218	-0.001547
Population (Thous)	0.004875	0.004574	0.004234	0.003864	0.003461	0.003034	0.002588	0.002122
GRP (Bil 92\$)	2.06E-05	9.09E-06	-3.29E-06	-1.64E-05	-3.06E-05	-4.58E-05	-6.17E-05	-7.85E-05
State & Local Gov Spending (Bil 92\$)	3.18E-05	2.98E-05	2.76E-05	2.52E-05	2.26E-05	1.98E-05	1.69E-05	1.39E-05
Real Disp Pers Inc (Bil 92\$)	0.0001136	0.0001075	0.0001007	9.31E-05	8.48E-05	7.54E-05	6.69E-05	5.62E-05
Residential Investment (Bil 92\$)	6.28E-07	1.37E-07	-3.48E-07	-8.25E-07	-1.30E-06	-1.79E-06	-2.15E-06	-2.63E-06
Opt Res Capital Stock (Bil 92\$)	7.20E-05	6.77E-05	6.30E-05	5.79E-05	5.23E-05	4.62E-05	4.07E-05	3.39E-05
Act Res Capital Stock (Bil 92\$)	6.77E-05	6.68E-05	6.54E-05	6.35E-05	6.12E-05	5.85E-05	5.54E-05	5.19E-05
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	-1.08E-07	-2.13E-06	-4.22E-06	-6.38E-06	-8.70E-06	-1.11E-05	-1.36E-05	-1.62E-05
Mining	1.47E-05	1.44E-05	1.42E-05	1.39E-05	1.37E-05	1.34E-05	1.31E-05	1.29E-05
Construction	1.89E-05	1.44E-05	9.90E-06	5.37E-06	6.86E-07	-4.11E-06	-8.81E-06	-1.38E-05
Trans./Public Util.	2.29E-05	1.96E-05	1.64E-05	1.31E-05	9.72E-06	6.29E-06	2.87E-06	-6.86E-07
Fin/Ins/Real Est	9.08E-06	6.91E-06	4.79E-06	2.70E-06	4.99E-07	-1.72E-06	-3.99E-06	-6.30E-06
Retail Trade	0.0003226	0.0002847	0.000246	0.000207	0.0001658	0.000123	8.46E-05	4.17E-05
Wholesale Trade	1.27E-05	1.19E-05	1.11E-05	1.03E-05	9.48E-06	8.64E-06	7.80E-06	6.94E-06
Services	-2.92E-05	-0.0001057	-0.0001875	-0.0002732	-0.0003675	-0.0004691	-0.0005769	-0.0006905
Agri/For/Fish Serv	3.16E-05	2.79E-05	2.40E-05	1.99E-05	1.55E-05	1.09E-05	6.06E-06	8.87E-07
State and Local	4.69E-05	-6.44E-05	-0.0001836	-0.0003099	-0.0004432	-0.0005833	-0.0007294	-0.0008817
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-2.00E-05	-1.44E-05	-8.63E-06	-2.76E-06	3.22E-06	9.34E-06	1.59E-05	2.27E-05
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.0001181	0.000109	9.95E-05	8.97E-05	7.91E-05	6.77E-05	5.65E-05	4.35E-05

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Lincoln County	2031	2032	2033	2034	2035
Changes caused by simulation (UNLV upd					
Total Emp (Thous)	-0.001891	-0.002258	-0.002644	-0.003047	-0.003466
Population (Thous)	0.001631	0.00112	0.0005841	2.15E-05	-0.0005646
GRP (Bil 92\$)	-9.63E-05	-0.0001156	-0.000136	-0.0001575	-1.80E-04
State & Local Gov Spending (Bil 92\$)	1.07E-05	7.36E-06	3.85E-06	1.42E-07	-3.74E-06
Real Disp Pers Inc (Bil 92\$)	4.46E-05	3.21E-05	1.85E-05	3.70E-06	-1.23E-05
Residential Investment (Bil 92\$)	-3.09E-06	-3.58E-06	-4.08E-06	-4.59E-06	-5.13E-06
Opt Res Capital Stock (Bil 92\$)	2.68E-05	1.91E-05	1.09E-05	2.17E-06	-7.15E-06
Act Res Capital Stock (Bil 92\$)	4.80E-05	4.37E-05	3.89E-05	3.37E-05	2.81E-05
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	-1.89E-05	-2.18E-05	-2.49E-05	-2.80E-05	-3.12E-05
Mining	1.26E-05	1.22E-05	1.18E-05	1.15E-05	1.11E-05
Construction	-1.88E-05	-2.40E-05	-2.96E-05	-3.52E-05	-4.09E-05
Trans./Public Util.	-4.30E-06	-8.04E-06	-1.19E-05	-1.58E-05	-1.97E-05
Fin/Ins/Real Est	-8.69E-06	-1.12E-05	-1.38E-05	-1.65E-05	-1.91E-05
Retail Trade	-2.50E-06	-4.95E-05	-9.94E-05	-0.0001511	-0.0002041
Wholesale Trade	6.08E-06	5.18E-06	4.27E-06	3.37E-06	2.50E-06
Services	-0.0008107	-0.0009421	-0.001081	-0.001227	-0.001379
Agri/For/Fish Serv	-4.69E-06	-1.07E-05	-1.72E-05	-2.40E-05	-3.11E-05
State and Local	-0.001041	-0.001208	-0.001382	-0.001565	-0.001755
Federal Civilian	0	0	0	0	0
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	2.98E-05	3.73E-05	4.53E-05	5.38E-05	6.29E-05
Amusem & Recr	0	0	0	0	0
Eating & Drinking	2.97E-05	1.47E-05	-1.73E-06	-1.92E-05	-3.77E-05

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment								
Lincoln County	1999	2000	2001	2002	2003	2004	2005	2006
Total Emp (Thous)	1.995	2.042084	2.0742685	2.1134027	2.1445066	2.1765865	2.209643	2.2393527
Population (Thous)	4.258	4.2979398	4.332934	4.364538	4.397079	4.434575	4.475993	4.519309
GRP (Bil 92\$)	0.083	0.0860749	0.0880077	0.091014	0.0930195	0.0960239	0.0990273	0.1019765
State & Local Gov Spending (Bil 92\$)	0.024	0.0240053	0.025011	0.0250147	0.0260182	0.0270214	0.0270243	0.0280266
Real Disp Pers Inc (Bil 92\$)	0.074	0.0761025	0.0790848	0.0810902	0.0840948	0.0860988	0.0891022	0.0920944
Residential Investment (Bil 92\$)	0.002	0.0020092	0.0020064	0.0020061	0.0020057	0.0020054	0.002005	0.0020037
Opt Res Capital Stock (Bil 92\$)	0.053	0.0540726	0.0550594	0.057063	0.0580659	0.0600683	0.0610704	0.0630647
Act Res Capital Stock (Bil 92\$)	0.042	0.0430092	0.0440155	0.0450213	0.0460266	0.0470315	0.048036	0.0500392
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.037	0.0390398	0.0400355	0.0420339	0.0430323	0.0430306	0.0440288	0.0440279
Mining	0.035	0.033024	0.0320095	0.0320101	0.0310105	0.0310109	0.0310111	0.031011
Construction	0.045	0.0460729	0.0460902	0.0470922	0.0480937	0.0490943	0.0500942	0.0501207
Trans./Public Util.	0.061	0.0640844	0.0660549	0.068052	0.0690492	0.0710467	0.0720444	0.07403
Fin/Ins/Real Est	0.093	0.0950713	0.0960472	0.0970455	0.0970434	0.0980413	0.0990391	0.0990293
Retail Trade	0.298	0.312918	0.3206554	0.3256397	0.3296217	0.3346039	0.3385873	0.3424838
Wholesale Trade	0.01	0.0100253	0.0100189	0.0110196	0.0110199	0.01102	0.0110199	0.0110195
Services	0.659	0.6836	0.7029025	0.7229211	0.7379244	0.7529204	0.7689117	0.784184
Agri/For/Fish Serv	0.023	0.0230716	0.0240494	0.0240489	0.0250484	0.025048	0.0250474	0.0260382
State and Local	0.553	0.5571771	0.561405	0.572539	0.583663	0.594771	0.605859	0.615409
Federal Civilian	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031
Federal Military	0.009	0.009	0.009	0.009	0.009	0.009	0.01	0.01
Farm	0.139	0.137	0.134	0.132	0.129	0.127	0.124	0.121
Hotels	0.1	0.1049975	0.1089882	0.1129806	0.1159739	0.1189682	0.1219636	0.1239585
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.102	0.1062425	0.1091681	0.1111641	0.11316	0.1151561	0.1171528	0.1201223
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000) All inputs	-0.09593	-0.1318	-0.1639	-0.1919	-0.2213	-0.2551	-0.294	-0.3344
Test results: Lincoln cnty pop output after siml Level (1000)	4.16207	4.1652	4.1671	4.1701	4.1727	4.1759	4.178	4.1806

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + mi								
Lincoln County	2007	2008	2009	2010	2011	2012	2013	2014
Total Emp (Thous)	2.2693925	2.2994237	2.3284681	2.3544946	2.3839382	2.4088981	2.4338233	2.4587241
Population (Thous)	4.561589	4.606847	4.65512	4.705392	4.754686	4.805925	4.862096	4.920191
GRP (Bil 92\$)	0.1039785	0.1069801	0.1089825	0.1119842	0.1140437	0.1160426	0.1180399	0.1210361
State & Local Gov Spending (Bil 92\$)	0.0290288	0.0290308	0.0300327	0.0300346	0.0310366	0.0310383	0.0310395	0.0320402
Real Disp Pers Inc (Bil 92\$)	0.0940975	0.0971009	0.1001066	0.1021116	0.1051274	0.1071297	0.1091303	0.1111299
Residential Investment (Bil 92\$)	0.0020035	0.0020034	0.0020035	0.0020035	0.0020045	0.0020042	0.0020038	0.0020034
Opt Res Capital Stock (Bil 92\$)	0.0640664	0.0660684	0.0670717	0.0680746	0.0700849	0.0710861	0.0720862	0.0730857
Act Res Capital Stock (Bil 92\$)	0.0510421	0.0520448	0.0530476	0.0540504	0.0550541	0.0570574	0.0580602	0.0590626
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0440262	0.0440246	0.0450238	0.045023	0.0460216	0.0470201	0.0480183	0.0490164
Mining	0.0310116	0.0310122	0.0300151	0.0300174	0.0290177	0.0290171	0.0290166	0.0280161
Construction	0.0511207	0.0521207	0.0531242	0.0531254	0.0530944	0.0540916	0.0540881	0.0550843
Trans./Public Util.	0.0750292	0.0760287	0.0780298	0.0780299	0.0780428	0.0780407	0.0780381	0.0780354
Fin/Ins/Real Est	0.100028	0.1000267	0.1000268	0.1000263	0.1010319	0.1010292	0.1010263	0.1010234
Retail Trade	0.3464789	0.3504767	0.3544893	0.3584955	0.3625847	0.3655663	0.3675412	0.3705134
Wholesale Trade	0.0110193	0.0110191	0.0110202	0.011021	0.0110212	0.0110206	0.0110197	0.0110188
Services	0.79917	0.813153	0.828148	0.842133	0.8557973	0.8697737	0.8837432	0.8967083
Agri/For/Fish Serv	0.0260382	0.0270382	0.0270406	0.0280424	0.029052	0.0290505	0.0300485	0.0310463
State and Local	0.62647	0.637524	0.64655	0.654582	0.6642746	0.6712886	0.6782834	0.6862614
Federal Civilian	0.03	0.03	0.03	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Farm	0.119	0.116	0.115	0.114	0.113	0.112	0.11	0.109
Hotels	0.1269549	0.1289519	0.1319493	0.1349468	0.1389466	0.1429461	0.1459463	0.149947
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1221227	0.1241239	0.1261295	0.127133	0.1291629	0.1301592	0.1321541	0.1331484
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000) All inputs	-0.3726	-0.4161	-0.461	-0.5081	-0.5426	-0.5735	-0.6005	-0.6247
Test results: Lincoln cnty pop output after siml Level (1000)	4.1844	4.1859	4.189	4.1919	4.2064	4.2265	4.2555	4.2893

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + mi								
Lincoln County	2015	2016	2017	2018	2019	2020	2021	2022
Total Emp (Thous)	2.4816065	2.503474	2.5233262	2.5411633	2.5589867	2.5737981	2.5888731	2.6026738
Population (Thous)	4.980216	5.040179	5.099087	5.155946	5.210765	5.261552	5.310352	5.357132
GRP (Bil 92\$)	0.1230313	0.1250257	0.1270193	0.129012	0.131004	0.1319954	0.1340403	0.1360312
State & Local Gov Spending (Bil 92\$)	0.0320404	0.0330402	0.0330397	0.0340388	0.0340376	0.0340362	0.0350349	0.0350334
Real Disp Pers Inc (Bil 92\$)	0.1131287	0.1141269	0.1161247	0.1181217	0.1201183	0.1221145	0.1241223	0.1261187
Residential Investment (Bil 92\$)	0.0020029	0.0020025	0.0020021	0.0020017	0.0020013	0.0020009	0.0020015	0.0020011
Opt Res Capital Stock (Bil 92\$)	0.0740847	0.0750833	0.0760814	0.0770792	0.0780767	0.0790739	0.0800785	0.0810757
Act Res Capital Stock (Bil 92\$)	0.0600646	0.0610661	0.0620671	0.0630677	0.0640679	0.0650677	0.0660682	0.0670682
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0500145	0.0500125	0.0510106	0.0520088	0.052007	0.0530052	0.0530034	0.0540018
Mining	0.0280158	0.0280155	0.0280152	0.0270151	0.027015	0.0270149	0.0260151	0.0260149
Construction	0.0550805	0.0560766	0.0560727	0.0570689	0.0570651	0.0580614	0.0580269	0.0580231
Trans./Public Util.	0.0780328	0.0780304	0.0770279	0.0770256	0.0760234	0.0760211	0.075029	0.0740261
Fin/Ins/Real Est	0.1010207	0.1020182	0.1010158	0.1010137	0.1010116	0.1010097	0.1010132	0.1000112
Retail Trade	0.3724849	0.3744565	0.3764283	0.3774005	0.3783726	0.378345	0.3783899	0.3783585
Wholesale Trade	0.0110179	0.0110171	0.0120162	0.0120155	0.0120148	0.0110141	0.011014	0.0110135
Services	0.9096708	0.9216318	0.9335894	0.9445418	0.9554898	0.9654332	0.9741013	0.9840403
Agri/For/Fish Serv	0.031044	0.0320417	0.0330393	0.0330369	0.0340344	0.0350318	0.0350384	0.0360352
State and Local	0.6942245	0.7011733	0.7081105	0.7140364	0.719953	0.725862	0.7322418	0.7381493
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.108	0.107	0.106	0.105	0.104	0.103	0.102	0.101
Hotels	0.1539484	0.1569505	0.1609531	0.1639562	0.1679597	0.1709634	0.1739692	0.1759745
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1341426	0.1361371	0.1371317	0.1381263	0.1391209	0.1401154	0.1411335	0.1421265
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000) All inputs	-0.6458	-0.6649	-0.682	-0.6974	-0.7114	-0.7239	-0.7353	-0.745
Test results: Lincoln cnty pop output after siml Level (1000)	4.3282	4.3691	4.411	4.4526	4.4936	4.5321	4.5697	4.607

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + mi								
Lincoln County	2023	2024	2025	2026	2027	2028	2029	2030
Total Emp (Thous)	2.6164499	2.6312079	2.6449511	2.6586829	2.6753956	2.6940933	2.713782	2.735453
Population (Thous)	5.402875	5.447574	5.492234	5.535864	5.577461	5.618034	5.660588	5.702122
GRP (Bil 92\$)	0.1370206	0.1390091	0.1409967	0.1429836	0.1449694	0.1469542	0.1489384	0.1509215
State & Local Gov Spending (Bil 92\$)	0.0350318	0.0350298	0.0360276	0.0360252	0.0360226	0.0370198	0.0370169	0.0370139
Real Disp Pers Inc (Bil 92\$)	0.1291136	0.1311075	0.1341007	0.1360931	0.1390848	0.1420754	0.1450669	0.1480562
Residential Investment (Bil 92\$)	0.0020006	0.0020001	0.0019997	0.0019992	0.0019987	0.0019982	0.0019979	0.0019974
Opt Res Capital Stock (Bil 92\$)	0.082072	0.0830677	0.084063	0.0850579	0.0860523	0.0870462	0.0880407	0.0890339
Act Res Capital Stock (Bil 92\$)	0.0680677	0.0690668	0.0700654	0.0710635	0.0720612	0.0730585	0.0740554	0.0750519
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0539999	0.0539979	0.0539958	0.0549936	0.0549913	0.0549889	0.0559864	0.0559838
Mining	0.0260147	0.0250144	0.0250142	0.0250139	0.0250137	0.0240134	0.0240131	0.0240129
Construction	0.0590189	0.0590144	0.0590099	0.0590054	0.0600007	0.0599959	0.0609912	0.0609862
Trans./Public Util.	0.0730229	0.0730196	0.0720164	0.0710131	0.0700097	0.0690063	0.0680029	0.0679993
Fin/Ins/Real Est	0.1000091	0.0990069	0.0990048	0.0990027	0.0980005	0.0979983	0.097996	0.0979937
Retail Trade	0.3783226	0.3792847	0.379246	0.379207	0.3801658	0.381123	0.3820846	0.3830417
Wholesale Trade	0.0110127	0.0110119	0.0110111	0.0110103	0.0110095	0.0110086	0.0110078	0.0110069
Services	0.9929708	1.0028943	1.0128125	1.0227268	1.0336325	1.0445309	1.0574231	1.0703095
Agri/For/Fish Serv	0.0360316	0.0370279	0.037024	0.0380199	0.0390155	0.0390109	0.0400061	0.0410009
State and Local	0.7430469	0.7489356	0.7548164	0.7606901	0.7665568	0.7734167	0.7802706	0.7881183
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.1	0.099	0.098	0.097	0.096	0.095	0.094	0.093
Hotels	0.17898	0.1819856	0.1849914	0.1879972	0.1910032	0.1940093	0.1970159	0.2010227
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1441181	0.145109	0.1460995	0.1470897	0.1490791	0.1500677	0.1520565	0.1540435
Population Changes & Levels								
Test results: Lincoln cnty pop changes after siml Change (1000) All inputs	-0.7541	-0.7624	-0.7708	-0.7789	-0.787	-0.7951	-0.8037	-0.8121
Test results: Lincoln cnty pop output after siml Level (1000)	4.6439	4.6806	4.7172	4.7531	4.787	4.8199	4.8543	4.8879

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

Levels after simulation (UNLV update + mi)					
Lincoln County	2031	2032	2033	2034	2035
Total Emp (Thous)	2.759109	2.785742	2.815356	2.845953	2.875534
Population (Thous)	5.742631	5.78312	5.8225841	5.8670215	5.9124354
GRP (Bil 92\$)	0.1529037	0.1558844	0.157864	0.1608425	0.16382
State & Local Gov Spending (Bil 92\$)	0.0380107	0.0380074	0.0380039	0.0390001	0.0389963
Real Disp Pers Inc (Bil 92\$)	0.1510446	0.1550321	0.1590185	0.1630037	0.1659877
Residential Investment (Bil 92\$)	0.0019969	0.0029964	0.0029959	0.0029954	0.0029949
Opt Res Capital Stock (Bil 92\$)	0.0910268	0.0920191	0.0940109	0.0950022	0.0969929
Act Res Capital Stock (Bil 92\$)	0.075048	0.0770437	0.0780389	0.0790337	0.0800281
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	0.0569811	0.0579782	0.0579751	0.058972	0.0599688
Mining	0.0240126	0.0240122	0.0240118	0.0250115	0.0250111
Construction	0.0619812	0.062976	0.0639705	0.0649648	0.0659591
Trans./Public Util.	0.0669957	0.066992	0.0659881	0.0659842	0.0649803
Fin/Ins/Real Est	0.0979913	0.0979888	0.0979862	0.0989835	0.0989809
Retail Trade	0.3849975	0.3879505	0.3909006	0.3948489	0.3977959
Wholesale Trade	0.0110061	0.0110052	0.0110043	0.0110034	0.0110025
Services	1.0831893	1.0980579	1.113919	1.130773	1.146621
Agri/For/Fish Serv	0.0419953	0.0419893	0.0429828	0.043976	0.0449689
State and Local	0.794959	0.802792	0.811618	0.820435	0.829245
Federal Civilian	0.031	0.031	0.032	0.032	0.032
Federal Military	0.011	0.011	0.011	0.011	0.011
Farm	0.092	0.091	0.09	0.089	0.089
Hotels	0.2040298	0.2080373	0.2130453	0.2170538	0.2220629
Amusem & Recr	0	0	0	0	0
Eating & Drinking	0.1560297	0.1590147	0.1609983	0.1639808	0.1669623
Population Changes & Levels					
Test results: Lincoln cnty pop changes after siml Change (1000) All inputs	-0.8201	-0.8276	-0.8349	-0.8427	-0.8505
Test results: Lincoln cnty pop output after siml Level (1000)	4.9209	4.9544	4.9871	5.0243	5.0625



# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
Lincoln County	1999	2000	2001	2002	2003	2004	2005	2006
Employment (Thous)	-0.003728	0.001521	-0.002373	-0.003672	-0.005951	-0.009291	-0.01401	-0.02096
Population (Thous)	-0.09593	-0.1318	-0.1639	-0.1919	-0.2213	-0.2551	-0.294	-0.3344
GRP (Bil 92\$)	-0.0001549	5.71E-05	-7.94E-05	-0.0001212	-0.0001965	-0.000314	-0.0004881	-0.000753
State & Local Gov Spending (Bil 92\$)	-0.0005455	-0.0007486	-0.0009353	-0.001114	-0.001306	-0.00153	-0.001791	-0.002067
Real Disp Pers Inc (Bil 92\$)	-0.0004822	-0.0005063	-0.0007281	-0.0008971	-0.001092	-0.001326	-1.61E-03	-0.001939
Residential Investment (Bil 92\$)	-4.40E-05	-4.00E-05	-5.44E-05	-6.25E-05	-7.18E-05	-8.34E-05	-9.80E-05	-1.14E-04
Opt Res Capital Stock (Bil 92\$)	-0.0003468	-0.0003584	-0.0005104	-0.0006262	-0.0007588	-0.0009173	-1.11E-03	-0.001328
Act Res Capital Stock (Bil 92\$)	-4.40E-05	-8.32E-05	-0.0001363	-0.0001965	-0.0002651	-0.0003441	-0.0004365	-0.0005435
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	4.70E-05	0.0001287	0.0001211	0.0001259	0.0001225	0.000112	8.98E-05	5.94E-05
Mining	1.05E-05	2.80E-05	-6.08E-06	-1.86E-05	-3.48E-05	-5.48E-05	-8.05E-05	-0.0001119
Construction	-0.0001003	-1.73E-05	-7.70E-05	-0.0001011	-0.0001692	-0.0002619	-0.0003957	-0.0005228
Trans./Public Util.	1.59E-05	0.000124	6.68E-05	5.34E-05	2.60E-05	-1.50E-05	-7.68E-05	-0.0001708
Fin/Ins/Real Est	-8.12E-05	1.76E-05	-2.87E-05	-1.88E-05	-3.09E-05	-6.03E-05	-0.0001147	-0.000192
Retail Trade	0.0007558	0.002385	0.00226	0.002632	0.002898	0.003083	0.003127	0.002927
Wholesale Trade	1.93E-05	5.65E-05	4.87E-05	5.51E-05	5.94E-05	6.18E-05	6.07E-05	5.61E-05
Services	0.003245	0.006979	0.007824	0.008456	0.008647	0.00863	0.008289	0.007933
Agri/For/Fish Serv	0.0001538	0.0003388	0.0003583	0.0004259	0.0004738	0.0005154	0.0005417	0.0005482
State and Local	-0.007794	-0.00852	-0.01294	-0.01528	-0.01794	-0.0213	-0.02545	-0.03149
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-1.37E-04	-3.23E-04	-5.56E-04	-8.06E-04	-1.08E-03	-1.37E-03	-1.69E-03	-2.04E-03
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.000198	0.000579	0.0005434	0.0006412	0.0007123	0.0007713	0.000798	0.0007553
Changes in Migrants								
Total Migrants								



# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upd								
Lincoln County	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	-0.02681	-0.03387	-0.04106	-0.049	-0.0544	-0.06089	-0.06706	-0.07296
Population (Thous)	-0.3726	-0.4161	-0.461	-0.5081	-0.5426	-0.5735	-0.6005	-0.6247
GRP (Bil 92\$)	-0.0009735	-0.001246	-0.001515	-0.00182	-0.002018	-0.002262	-0.002492	-0.00271
State & Local Gov Spending (Bil 92\$)	-0.002337	-0.002646	-0.00294	-0.003257	-0.003494	-0.003704	-0.003888	-0.004053
Real Disp Pers Inc (Bil 92\$)	-0.002261	-0.002632	-0.003013	-0.003429	-0.003765	-0.004075	-0.004373	-0.004662
Residential Investment (Bil 92\$)	-1.28E-04	-0.0001438	-0.000158	-0.0001739	-0.0001812	-0.0001858	-0.0001894	-0.0001917
Opt Res Capital Stock (Bil 92\$)	-0.00154	-0.001783	-0.002026	-0.002293	-0.002507	-0.002704	-0.002894	-0.003077
Act Res Capital Stock (Bil 92\$)	-0.0006624	-7.95E-04	-9.40E-04	-0.001099	-0.001262	-0.001428	-0.001594	-0.00176
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	2.15E-05	-2.53E-05	-8.32E-05	-0.0001498	-0.0002268	-0.0003099	-0.000397	-0.0004875
Mining	-0.0001472	-0.0001883	-0.000224	-0.0002616	-0.0003035	-0.0003467	-0.0003908	-0.0004345
Construction	-0.0006788	-0.0008756	-0.001054	-0.001233	-0.001429	-0.001586	-0.001734	-0.001874
Trans./Public Util.	-0.0002669	-0.0003853	-0.0005111	-0.0006471	-0.0007765	-0.0009228	-0.001071	-0.00122
Fin/Ins/Real Est	-0.0002673	-0.0003688	-0.0004713	-0.0005826	-0.0006765	-0.00078	-0.0008825	-0.000986
Retail Trade	0.002698	0.0023	0.001847	0.00125	0.0006105	-0.0002137	-0.001101	-0.002022
Wholesale Trade	4.91E-05	3.79E-05	2.60E-05	1.06E-05	-8.16E-06	-3.00E-05	-5.34E-05	-7.80E-05
Services	0.007147	0.006131	0.005114	0.003877	0.002158	0.0007127	-0.0007896	-0.002297
Agri/For/Fish Serv	0.000556	0.0005494	0.0005463	0.0005397	0.0005217	0.0004847	0.0004432	0.0003983
State and Local	-0.03592	-0.04105	-0.04625	-0.0518	-0.05428	-0.0579	-0.06108	-0.06396
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-2.40E-03	-2.77E-03	-3.19E-03	-3.65E-03	-4.12E-03	-4.59E-03	-5.07E-03	-5.57E-03
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.0007057	0.000612	0.0005089	0.0003641	0.0001917	-3.80E-05	-2.93E-04	-5.62E-04
Changes in Migrants								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upd.								
Lincoln County	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	-0.07856	-0.08399	-0.08912	-0.09399	-0.09857	-0.1028	-0.1056	-0.1093
Population (Thous)	-0.6458	-0.6649	-0.682	-0.6974	-0.7114	-0.7239	-0.7353	-0.745
GRP (Bil 92\$)	-0.002918	-0.003119	-0.003312	-0.003495	-0.003666	-0.003825	-0.003924	-0.004071
State & Local Gov Spending (Bil 92\$)	-0.004197	-0.004326	-0.004443	-0.004546	-0.004638	-0.004718	-0.00479	-0.004855
Real Disp Pers Inc (Bil 92\$)	-0.004933	-0.005189	-0.005441	-0.005666	-0.005877	-0.006071	-0.006246	-0.006434
Residential Investment (Bil 92\$)	-0.0001925	-0.0001921	-0.0001911	-0.0001883	-0.0001847	-0.0001802	-0.0001745	-0.0001703
Opt Res Capital Stock (Bil 92\$)	-0.003246	-0.003404	-0.003555	-0.003687	-0.003809	-0.003917	-0.00401	-0.004106
Act Res Capital Stock (Bil 92\$)	-0.001924	-0.002085	-0.002243	-0.002395	-0.002541	-0.00268	-0.002812	-0.002937
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	-0.0005802	-0.0006728	-0.0007628	-0.0008501	-0.0009331	-0.00101	-0.001082	-0.001148
Mining	-4.77E-04	-5.18E-04	-5.56E-04	-5.91E-04	-6.23E-04	-6.50E-04	-6.75E-04	-6.98E-04
Construction	-0.002005	-0.00213	-0.002247	-0.002356	-0.002456	-0.002545	-0.002657	-0.002731
Trans./Public Util.	-0.001367	-0.001509	-0.001643	-0.001767	-0.00188	-0.00198	-0.002059	-0.002138
Fin/Ins/Real Est	-0.00109	-0.001195	-0.001297	-0.001397	-0.001493	-0.001583	-0.001663	-0.001744
Retail Trade	-0.002974	-0.003936	-0.004881	-0.005801	-0.006678	-0.007496	-0.008191	-0.008918
Wholesale Trade	-0.0001031	-0.0001282	-0.0001522	-0.0001752	-0.0001967	-0.0002161	-0.0002331	-0.0002488
Services	-0.003863	-0.005478	-0.007092	-0.008703	-0.01023	-0.01171	-0.01344	-0.01487
Agri/For/Fish Serv	0.0003505	0.0003005	0.0002509	0.0001992	0.0001475	9.70E-05	5.60E-05	7.14E-06
State and Local	-0.06645	-0.06872	-0.07074	-0.07255	-0.07423	-0.0757	-0.07562	-0.07684
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-6.07E-03	-6.57E-03	-7.06E-03	-7.53E-03	-7.98E-03	-8.40E-03	-0.008795	-0.009162
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-8.47E-04	-1.14E-03	-1.43E-03	-0.001722	-0.002001	-0.002267	-0.002497	-0.002743
Changes in Migrants								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE								
CHANGES								
Changes caused by simulation (UNLV upd.								
Lincoln County	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	-0.113	-0.1164	-0.1197	-0.123	-0.1263	-0.1296	-0.1328	-0.1359
Population (Thous)	-0.7541	-0.7624	-0.7708	-0.7789	-0.787	-0.7951	-0.8037	-0.8121
GRP (Bil 92\$)	-0.004213	-0.004347	-0.00448	-0.004612	-0.00475	-0.004886	-0.005019	-0.005147
State & Local Gov Spending (Bil 92\$)	-0.004915	-0.004969	-0.005023	-0.005075	-0.005136	-0.005195	-0.005258	-0.005319
Real Disp Pers Inc (Bil 92\$)	-0.006614	-0.006797	-0.006979	-0.007159	-0.007368	-0.007575	-0.007778	-0.008009
Residential Investment (Bil 92\$)	-0.0001658	-0.0001619	-0.0001586	-0.0001557	-0.0001547	-0.0001539	-0.0001528	-0.0001545
Opt Res Capital Stock (Bil 92\$)	-0.004194	-0.004281	-0.004366	-0.004449	-0.004543	-0.004635	-0.004724	-0.004831
Act Res Capital Stock (Bil 92\$)	-0.003056	-0.003169	-0.003277	-0.00338	-0.003481	-0.003579	-0.003675	-0.003771
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	-0.00121	-0.001268	-0.001322	-0.001373	-1.42E-03	-1.47E-03	-1.52E-03	-1.56E-03
Mining	-7.17E-04	-7.33E-04	-7.47E-04	-7.62E-04	-7.75E-04	-7.88E-04	-8.01E-04	-0.0008139
Construction	-0.002801	-0.002865	-2.93E-03	-2.98E-03	-0.00304	-0.003097	-0.003152	-0.003205
Trans./Public Util.	-0.002207	-0.002268	-0.002319	-0.002363	-0.002402	-2.44E-03	-2.47E-03	-0.002491
Fin/Ins/Real Est	-0.00182	-0.001892	-0.00196	-2.02E-03	-2.09E-03	-0.002145	-0.0022	-0.002251
Retail Trade	-0.009608	-0.01026	-1.09E-02	-0.01145	-0.01202	-0.01258	-0.01307	-0.01352
Wholesale Trade	-0.0002631	-0.000276	-0.0002876	-0.0002983	-0.0003083	-0.0003178	-0.0003268	-0.0003348
Services	-0.01627	-0.01757	-0.01883	-0.02007	-0.02129	-0.02247	-0.02356	-0.0246
Agri/For/Fish Serv	-4.25E-05	-9.14E-05	-0.0001393	-0.0001874	-0.0002336	-0.0002802	-0.000326	-0.0003674
State and Local	-0.07804	-0.07918	-0.08033	-0.0815	-0.08273	-0.08401	-0.08536	-0.08673
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-0.009503	-0.009819	-0.01011	-0.01039	-0.01065	-0.0109	-0.01113	-0.01136
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	-0.002979	-0.003208	-0.003425	-0.003636	-0.00385	-0.004061	-0.004261	-0.004461
Changes in Migrants								
Total Migrants								

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

THE FOLLOWING IS THE DEVE					
CHANGES					
Changes caused by simulation (UNLV upd					
Lincoln County	2031	2032	2033	2034	2035
Employment (Thous)	-0.1389	-0.1419	-0.145	-0.148	-0.151
Population (Thous)	-0.8201	-0.8277	-0.8351	-0.8429	-0.8507
GRP (Bil 92\$)	-0.00527	-0.005398	-0.005527	-0.005655	-0.005781
State & Local Gov Spending (Bil 92\$)	-0.005377	-0.005441	-0.005503	-0.005569	-0.005633
Real Disp Pers Inc (Bil 92\$)	-0.008265	-0.008557	-0.008868	-0.009192	-0.009529
Residential Investment (Bil 92\$)	-0.000158	-0.0001633	-0.0001692	-0.0001755	-0.0001822
Opt Res Capital Stock (Bil 92\$)	-0.004954	-0.005092	-0.005238	-0.005391	-0.005553
Act Res Capital Stock (Bil 92\$)	-0.003869	-0.00397	-0.004076	-0.004186	-0.004302
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	-1.60E-03	-0.001642	-0.001685	-0.001727	-0.001767
Mining	-0.0008264	-0.0008411	-0.0008535	-0.0008686	-0.000881
Construction	-0.003255	-0.003307	-0.003362	-0.003417	-0.003469
Trans./Public Util.	-0.002513	-0.002534	-0.002557	-0.002578	-0.002594
Fin/Ins/Real Est	-0.002299	-0.002345	-0.002391	-0.002436	-0.002476
Retail Trade	-0.01395	-0.01438	-0.01482	-0.01524	-0.01564
Wholesale Trade	-0.0003423	-0.0003498	-0.0003573	-3.65E-04	-3.71E-04
Services	-0.02563	-0.02667	-0.02773	-0.02877	-0.02977
Agri/For/Fish Serv	-0.0004056	-0.0004422	-0.0004779	-0.0005131	-0.0005449
State and Local	-0.08807	-0.0894	-0.09074	-0.09213	-0.09354
Federal Civilian	0	0	0	0	0
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	-0.01159	-0.01181	-0.01204	-0.01227	-0.01249
Amusem & Recr	0	0	0	0	0
Eating & Drinking	-0.004662	-0.004875	-0.005095	-0.005317	-0.005539
Changes in Migrants					
Total Migrants					

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								
<b>Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Lincoln County</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	1.991272	2.041521	2.071627	2.109328	2.138049	2.166709	2.19499	2.21904
Population (Thous)	4.16207	4.1652	4.1671	4.1701	4.1727	4.1759	4.178	4.1806
GRP (Bil 92\$)	0.0828451	0.0860571	0.0879206	0.0908788	0.0928035	0.095686	0.0985119	0.101247
State & Local Gov Spending (Bil 92\$)	0.0234545	0.0232514	0.0240647	0.023886	0.024694	0.02547	0.025209	0.025933
Real Disp Pers Inc (Bil 92\$)	0.0735178	0.0754937	0.0782719	0.0801029	0.082908	0.084674	0.087388	0.090061
Residential Investment (Bil 92\$)	0.001956	0.00196	0.0019456	0.0019375	0.0019282	0.0019166	0.001902	0.0018858
Opt Res Capital Stock (Bil 92\$)	0.0526532	0.0536416	0.0544896	0.0563738	0.0572412	0.0590827	0.05989	0.061672
Act Res Capital Stock (Bil 92\$)	0.041956	0.0429168	0.0438637	0.0448035	0.0457349	0.0466559	0.0475635	0.0494565
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.037047	0.0391287	0.0401211	0.0421259	0.0431225	0.043112	0.0440898	0.0440594
Mining	0.0350105	0.033028	0.0319939	0.0319814	0.0309652	0.0309452	0.0309195	0.0308881
Construction	0.0448997	0.0459827	0.045923	0.0468989	0.0478308	0.0487381	0.0496043	0.0494772
Trans./Public Util.	0.0610159	0.064124	0.0660668	0.0680534	0.069026	0.070985	0.0719232	0.0738292
Fin/Ins/Real Est	0.0929189	0.0950176	0.0959713	0.0969813	0.0969691	0.0979398	0.0988853	0.098808
Retail Trade	0.2987558	0.314385	0.32226	0.327632	0.331898	0.337083	0.341127	0.344927
Wholesale Trade	0.0100193	0.0100565	0.0100487	0.0110551	0.0110594	0.0110618	0.0110607	0.0110561
Services	0.662245	0.689979	0.709824	0.730456	0.745647	0.76063	0.776289	0.790933
Agri/For/Fish Serv	0.0231538	0.0233388	0.0243583	0.0244259	0.0254738	0.0255154	0.0255417	0.0265482
State and Local	0.545206	0.54848	0.55006	0.55872	0.56706	0.5747	0.58155	0.58651
Federal Civilian	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031
Federal Military	0.009	0.009	0.009	0.009	0.009	0.009	0.01	0.01
Farm	0.139	0.137	0.134	0.132	0.129	0.127	0.124	0.121
Hotels	0.0998635	0.1046772	0.1084444	0.1121945	0.114924	0.11763	0.120306	0.121962
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.102198	0.106579	0.1095434	0.1116412	0.1137123	0.1157713	0.117798	0.1207553
<b>Migrants</b>								
Total Migrants								
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Cons</b>								
<b>Levels caused by simulation (UNLV update)</b>								
<b>Lincoln County</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Employment (Thous)	2.24319	2.26613	2.28794	2.306	2.3286	2.34711	2.36594	2.38504
Population (Thous)	4.1844	4.1859	4.189	4.1919	4.2064	4.2265	4.2555	4.2893
GRP (Bil 92\$)	0.1030265	0.105754	0.107485	0.11018	0.111982	0.113738	0.115508	0.11829
State & Local Gov Spending (Bil 92\$)	0.026663	0.026354	0.02706	0.026743	0.027506	0.027296	0.027112	0.027947
Real Disp Pers Inc (Bil 92\$)	0.091739	0.094368	0.096987	0.098571	0.101235	0.102925	0.104627	0.106338
Residential Investment (Bil 92\$)	0.0018722	0.0018562	0.001842	0.0018261	0.0018188	0.0018142	0.0018106	0.0018083
Opt Res Capital Stock (Bil 92\$)	0.06246	0.064217	0.064974	0.065707	0.067493	0.068296	0.069106	0.069923
Act Res Capital Stock (Bil 92\$)	0.0503376	0.0512046	0.0520596	0.052901	0.053738	0.055572	0.056406	0.05724
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0440215	0.0439748	0.0449168	0.0448502	0.0457732	0.0466901	0.047603	0.0485125
Mining	0.0308528	0.0308117	0.029776	0.0297384	0.0286965	0.0286533	0.0286092	0.0275655
Construction	0.0503212	0.0511244	0.051946	0.051767	0.051571	0.052414	0.052266	0.053126
Trans./Public Util.	0.0747331	0.0756147	0.0774889	0.0773529	0.0772235	0.0770772	0.076929	0.07678
Fin/Ins/Real Est	0.0997327	0.0996312	0.0995287	0.0994174	0.1003235	0.10022	0.1001175	0.100014
Retail Trade	0.348698	0.3523	0.355847	0.35925	0.3626105	0.3647863	0.365899	0.367978
Wholesale Trade	0.0110491	0.0110379	0.011026	0.0110106	0.0109918	0.01097	0.0109466	0.010922
Services	0.805147	0.818131	0.832114	0.844877	0.857158	0.8697127	0.8822104	0.893703
Agri/For/Fish Serv	0.026556	0.0275494	0.0275463	0.0285397	0.0295217	0.0294847	0.0304432	0.0313983
State and Local	0.59308	0.59895	0.60275	0.6052	0.61072	0.6141	0.61792	0.62304
Federal Civilian	0.03	0.03	0.03	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Farm	0.119	0.116	0.115	0.114	0.113	0.112	0.11	0.109
Hotels	0.124605	0.126229	0.12881	0.131349	0.134884	0.13841	0.140927	0.144434
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1227057	0.124612	0.1265089	0.1273641	0.1291917	0.129962	0.1317067	0.1324381
<b>Migrants</b>								
<b>Total Migrants</b>								
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Cons</b>								
<b>Levels caused by simulation (UNLV update)</b>								
<b>Lincoln County</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Employment (Thous)	2.40244	2.41901	2.43388	2.44701	2.46043	2.4712	2.4824	2.4927
Population (Thous)	4.3282	4.3691	4.411	4.4526	4.4936	4.5321	4.5697	4.607
GRP (Bil 92\$)	0.120082	0.121881	0.123688	0.125505	0.127334	0.128175	0.130076	0.131929
State & Local Gov Spending (Bil 92\$)	0.027803	0.028674	0.028557	0.029454	0.029362	0.029282	0.03021	0.030145
Real Disp Pers Inc (Bil 92\$)	0.108067	0.108811	0.110559	0.112334	0.114123	0.115929	0.117754	0.119566
Residential Investment (Bil 92\$)	0.0018075	0.0018079	0.0018089	0.0018117	0.0018153	0.0018198	0.0018255	0.0018297
Opt Res Capital Stock (Bil 92\$)	0.070754	0.071596	0.072445	0.073313	0.074191	0.075083	0.07599	0.076894
Act Res Capital Stock (Bil 92\$)	0.058076	0.058915	0.059757	0.060605	0.061459	0.06232	0.063188	0.064063
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0494198	0.0493272	0.0502372	0.0511499	0.0510669	0.05199	0.051918	0.052852
Mining	0.0275228	0.0274825	0.0274439	0.0264089	0.0263773	0.0263496	0.0253249	0.0253019
Construction	0.052995	0.05387	0.053753	0.054644	0.054544	0.055455	0.055343	0.055269
Trans./Public Util.	0.076633	0.076491	0.075357	0.075233	0.07412	0.07402	0.072941	0.071862
Fin/Ins/Real Est	0.09991	0.100805	0.099703	0.099603	0.099507	0.099417	0.099337	0.098256
Retail Trade	0.369026	0.370064	0.371119	0.371199	0.371322	0.370504	0.369809	0.369082
Wholesale Trade	0.0108969	0.0108718	0.0118478	0.0118248	0.0118033	0.0107839	0.0107669	0.0107512
Services	0.905137	0.915522	0.925908	0.935297	0.94477	0.95329	0.96056	0.96913
Agri/For/Fish Serv	0.0313505	0.0323005	0.0332509	0.0331992	0.0341475	0.035097	0.035056	0.0360071
State and Local	0.62855	0.63328	0.63826	0.64245	0.64677	0.6513	0.65638	0.66116
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.108	0.107	0.106	0.105	0.104	0.103	0.102	0.101
Hotels	0.147932	0.150432	0.153941	0.156469	0.160019	0.162596	0.165205	0.166838
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.1331531	0.13486	0.135567	0.136278	0.136999	0.137733	0.138503	0.139257
<b>Migrants</b>								
Total Migrants								
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Cons</b>								
<b>Levels caused by simulation (UNLV update)</b>								
<b>Lincoln County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment (Thous)	2.503	2.5146	2.5253	2.536	2.5497	2.5654	2.5822	2.6011
Population (Thous)	4.6439	4.6806	4.7172	4.7531	4.787	4.8199	4.8543	4.8879
GRP (Bil 92\$)	0.132787	0.134653	0.13652	0.138388	0.14025	0.142114	0.143981	0.145853
State & Local Gov Spending (Bil 92\$)	0.030085	0.030031	0.030977	0.030925	0.030864	0.031805	0.031742	0.031681
Real Disp Pers Inc (Bil 92\$)	0.122386	0.124203	0.127021	0.128841	0.131632	0.134425	0.137222	0.139991
Residential Investment (Bil 92\$)	0.0018342	0.0018381	0.0018414	0.0018443	0.0018453	0.0018461	0.0018472	0.0018455
Opt Res Capital Stock (Bil 92\$)	0.077806	0.078719	0.079634	0.080551	0.081457	0.082365	0.083276	0.084169
Act Res Capital Stock (Bil 92\$)	0.064944	0.065831	0.066723	0.06762	0.068519	0.069421	0.070325	0.071229
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.05279	0.052732	0.052678	0.053627	0.053578	0.05353	0.054485	0.054441
Mining	0.0252835	0.0242675	0.0242526	0.0242381	0.0242248	0.0232125	0.023199	0.0231861
Construction	0.056199	0.056135	0.056074	0.056018	0.05696	0.056903	0.057848	0.057795
Trans./Public Util.	0.070793	0.070732	0.069681	0.068637	0.067598	0.066563	0.065535	0.065509
Fin/Ins/Real Est	0.09818	0.097108	0.09704	0.096976	0.095914	0.095855	0.0958	0.095749
Retail Trade	0.368392	0.36874	0.36813	0.36755	0.36798	0.36842	0.36893	0.36948
Wholesale Trade	0.0107369	0.010724	0.0107124	0.0107017	0.0106917	0.0106822	0.0106732	0.0106652
Services	0.97673	0.98543	0.99417	1.00293	1.01271	1.02253	1.03444	1.0464
Agri/For/Fish Serv	0.0359575	0.0369086	0.0368607	0.0378126	0.0387664	0.0387198	0.039674	0.0406326
State and Local	0.66496	0.66982	0.67467	0.6795	0.68427	0.68999	0.69564	0.70227
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.1	0.099	0.098	0.097	0.096	0.095	0.094	0.093
Hotels	0.169497	0.172181	0.17489	0.17761	0.18035	0.1831	0.18587	0.18964
Amusem & Recr	0	0	0	0	0	0	0	0
Eating & Drinking	0.141021	0.141792	0.142575	0.143364	0.14515	0.145939	0.147739	0.149539
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 1992 Cons</b>					
<b>Levels caused by simulation (UNLV update)</b>					
<b>Lincoln County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	2.6221	2.6461	2.673	2.701	2.728
Population (Thous)	4.9209	4.9543	4.9869	5.0241	5.0623
GRP (Bil 92\$)	0.14773	0.150602	0.152473	0.155345	0.158219
State & Local Gov Spending (Bil 92\$)	0.032623	0.032559	0.032497	0.033431	0.033367
Real Disp Pers Inc (Bil 92\$)	0.142735	0.146443	0.150132	0.153808	0.156471
Residential Investment (Bil 92\$)	0.001842	0.0028367	0.0028308	0.0028245	0.0028178
Opt Res Capital Stock (Bil 92\$)	0.086046	0.086908	0.088762	0.089609	0.091447
Act Res Capital Stock (Bil 92\$)	0.071131	0.07303	0.073924	0.074814	0.075698
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	0.0554	0.056358	0.056315	0.057273	0.058233
Mining	0.0231736	0.0231589	0.0231465	0.0241314	0.024119
Construction	0.058745	0.059693	0.060638	0.061583	0.062531
Trans./Public Util.	0.064487	0.064466	0.063443	0.063422	0.062406
Fin/Ins/Real Est	0.095701	0.095655	0.095609	0.096564	0.096524
Retail Trade	0.37105	0.37362	0.37618	0.37976	0.38236
Wholesale Trade	0.0106577	0.0106502	0.0106427	0.0106353	0.0106288
Services	1.05837	1.07233	1.08727	1.10323	1.11823
Agri/For/Fish Serv	0.0415944	0.0415578	0.0425221	0.0434869	0.0444551
State and Local	0.70793	0.7146	0.72226	0.72987	0.73746
Federal Civilian	0.031	0.031	0.032	0.032	0.032
Federal Military	0.011	0.011	0.011	0.011	0.011
Farm	0.092	0.091	0.09	0.089	0.089
Hotels	0.19241	0.19619	0.20096	0.20473	0.20951
Amusem & Recr	0	0	0	0	0
Eating & Drinking	0.151338	0.154125	0.155905	0.158683	0.161461
<b>Migrants</b>					
Total Migrants					
	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands								
BASELINE LEVELS								
Lincoln County	1999	2000	2001	2002	2003	2004	2005	2006
Employment (Thous)	1.991	2.042	2.072	2.109	2.138	2.167	2.195	2.219
Population (Thous)	4.162	4.165	4.167	4.170	4.173	4.176	4.178	4.181
GRP (Bil 2000\$)	0.095	0.099	0.101	0.104	0.107	0.110	0.113	0.116
State & Local Gov Spending (Bil 2000\$)	0.027	0.027	0.028	0.027	0.028	0.029	0.029	0.030
Real Disp Pers Inc (Bil 2000\$)	0.085	0.087	0.090	0.092	0.095	0.097	0.100	0.104
Residential Investment (Bil 2000\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 2000\$)	0.061	0.062	0.063	0.065	0.066	0.068	0.069	0.071
Act Res Capital Stock (Bil 2000\$)	0.048	0.049	0.050	0.052	0.053	0.054	0.055	0.057
Exog Emp (Thous)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Exog Prod (Bil 2000\$)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing	0.037	0.039	0.040	0.042	0.043	0.043	0.044	0.044
Mining	0.035	0.033	0.032	0.032	0.031	0.031	0.031	0.031
Construction	0.045	0.046	0.046	0.047	0.048	0.049	0.050	0.049
Trans./Public Util.	0.061	0.064	0.066	0.068	0.069	0.071	0.072	0.074
Fin/Ins/Real Est	0.093	0.095	0.096	0.097	0.097	0.098	0.099	0.099
Retail Trade	0.299	0.314	0.322	0.328	0.332	0.337	0.341	0.345
Wholesale Trade	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011
Services	0.662	0.690	0.710	0.730	0.746	0.761	0.776	0.791
Agri/For/Fish Serv	0.023	0.023	0.024	0.024	0.025	0.026	0.026	0.027
State and Local	0.545	0.548	0.550	0.559	0.567	0.575	0.582	0.587
Federal Civilian	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031
Federal Military	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010
Farm	0.139	0.137	0.134	0.132	0.129	0.127	0.124	0.121
Hotels	0.100	0.105	0.108	0.112	0.115	0.118	0.120	0.122
Amusem & Recr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Eating & Drinking	0.102	0.107	0.110	0.112	0.114	0.116	0.118	0.121
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

LEVELS: Dollar amounts are in 2000 Cons								
BASELINE LEVELS								
Lincoln County	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	2.243	2.266	2.288	2.306	2.329	2.347	2.366	2.385
Population (Thous)	4.184	4.186	4.189	4.192	4.206	4.227	4.256	4.289
GRP (Bil 2000\$)	0.118	0.122	0.124	0.127	0.129	0.131	0.133	0.136
State & Local Gov Spending (Bil 2000\$)	0.031	0.030	0.031	0.031	0.032	0.031	0.031	0.032
Real Disp Pers Inc (Bil 2000\$)	0.105	0.108	0.112	0.113	0.116	0.118	0.120	0.122
Residential Investment (Bil 2000\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 2000\$)	0.072	0.074	0.075	0.076	0.078	0.079	0.079	0.080
Act Res Capital Stock (Bil 2000\$)	0.058	0.059	0.060	0.061	0.062	0.064	0.065	0.066
Exog Emp (Thous)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Exog Prod (Bil 2000\$)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing	0.044	0.044	0.045	0.045	0.046	0.047	0.048	0.049
Mining	0.031	0.031	0.030	0.030	0.029	0.029	0.029	0.028
Construction	0.050	0.051	0.052	0.052	0.052	0.052	0.052	0.053
Trans./Public Util.	0.075	0.076	0.077	0.077	0.077	0.077	0.077	0.077
Fin/Ins/Real Est	0.100	0.100	0.100	0.099	0.100	0.100	0.100	0.100
Retail Trade	0.349	0.352	0.356	0.359	0.363	0.365	0.366	0.368
Wholesale Trade	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Services	0.805	0.818	0.832	0.845	0.857	0.870	0.882	0.894
Agri/For/Fish Serv	0.027	0.028	0.028	0.029	0.030	0.029	0.030	0.031
State and Local	0.593	0.599	0.603	0.605	0.611	0.614	0.618	0.623
Federal Civilian	0.030	0.030	0.030	0.031	0.031	0.031	0.031	0.031
Federal Military	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Farm	0.119	0.116	0.115	0.114	0.113	0.112	0.110	0.109
Hotels	0.125	0.126	0.129	0.131	0.135	0.138	0.141	0.144
Amusem & Recr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Eating & Drinking	0.123	0.125	0.127	0.127	0.129	0.130	0.132	0.132
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

LEVELS: Dollar amounts are in 2000 Cons								
BASELINE LEVELS								
Lincoln County	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	2.402	2.419	2.434	2.447	2.460	2.471	2.482	2.493
Population (Thous)	4.328	4.369	4.411	4.453	4.494	4.532	4.570	4.607
GRP (Bil 2000\$)	0.138	0.140	0.142	0.144	0.146	0.147	0.150	0.152
State & Local Gov Spending (Bil 2000\$)	0.032	0.033	0.033	0.034	0.034	0.034	0.035	0.035
Real Disp Pers Inc (Bil 2000\$)	0.124	0.125	0.127	0.129	0.131	0.133	0.135	0.137
Residential Investment (Bil 2000\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 2000\$)	0.081	0.082	0.083	0.084	0.085	0.086	0.087	0.088
Act Res Capital Stock (Bil 2000\$)	0.067	0.068	0.069	0.070	0.071	0.072	0.073	0.074
Exog Emp (Thous)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Exog Prod (Bil 2000\$)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing	0.049	0.049	0.050	0.051	0.051	0.052	0.052	0.053
Mining	0.028	0.027	0.027	0.026	0.026	0.026	0.025	0.025
Construction	0.053	0.054	0.054	0.055	0.055	0.055	0.055	0.055
Trans./Public Util.	0.077	0.076	0.075	0.075	0.074	0.074	0.073	0.072
Fin/Ins/Real Est	0.100	0.101	0.100	0.100	0.100	0.099	0.099	0.098
Retail Trade	0.369	0.370	0.371	0.371	0.371	0.371	0.370	0.369
Wholesale Trade	0.011	0.011	0.012	0.012	0.012	0.011	0.011	0.011
Services	0.905	0.916	0.926	0.935	0.945	0.953	0.961	0.969
Agri/For/Fish Serv	0.031	0.032	0.033	0.033	0.034	0.035	0.035	0.036
State and Local	0.629	0.633	0.638	0.642	0.647	0.651	0.656	0.661
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.108	0.107	0.106	0.105	0.104	0.103	0.102	0.101
Hotels	0.148	0.150	0.154	0.156	0.160	0.163	0.165	0.167
Amusem & Recr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Eating & Drinking	0.133	0.135	0.136	0.136	0.137	0.138	0.139	0.139
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Cons</b>								
<b>BASELINE LEVELS</b>								
<b>Lincoln County</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment (Thous)	2.503	2.515	2.525	2.536	2.550	2.565	2.582	2.601
Population (Thous)	4.644	4.681	4.717	4.753	4.787	4.820	4.854	4.888
GRP (Bil 2000\$)	0.153	0.155	0.157	0.159	0.161	0.163	0.166	0.168
State & Local Gov Spending (Bil 2000\$)	0.035	0.035	0.036	0.036	0.035	0.037	0.036	0.036
Real Disp Pers Inc (Bil 2000\$)	0.141	0.143	0.146	0.148	0.151	0.155	0.158	0.161
Residential Investment (Bil 2000\$)	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Opt Res Capital Stock (Bil 2000\$)	0.089	0.091	0.092	0.093	0.094	0.095	0.096	0.097
Act Res Capital Stock (Bil 2000\$)	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082
Exog Emp (Thous)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Exog Prod (Bil 2000\$)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing	0.053	0.053	0.053	0.054	0.054	0.054	0.054	0.054
Mining	0.025	0.024	0.024	0.024	0.024	0.023	0.023	0.023
Construction	0.056	0.056	0.056	0.056	0.057	0.057	0.058	0.058
Trans./Public Util.	0.071	0.071	0.070	0.069	0.068	0.067	0.066	0.066
Fin/Ins/Real Est	0.098	0.097	0.097	0.097	0.096	0.096	0.096	0.096
Retail Trade	0.368	0.369	0.368	0.368	0.368	0.368	0.369	0.369
Wholesale Trade	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Services	0.977	0.985	0.994	1.003	1.013	1.023	1.034	1.046
Agri/For/Fish Serv	0.036	0.037	0.037	0.038	0.039	0.039	0.040	0.041
State and Local	0.665	0.670	0.675	0.680	0.684	0.690	0.696	0.702
Federal Civilian	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
Federal Military	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Farm	0.100	0.099	0.098	0.097	0.096	0.095	0.094	0.093
Hotels	0.169	0.172	0.175	0.178	0.180	0.183	0.186	0.190
Amusem & Recr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Eating & Drinking	0.141	0.142	0.143	0.143	0.145	0.146	0.148	0.150
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 7. Implementing Alternative Baseline, Lincoln County Output.

<b>LEVELS: Dollar amounts are in 2000 Cons</b>					
<b>BASELINE LEVELS</b>					
<b>Lincoln County</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	2.622	2.646	2.673	2.701	2.728
Population (Thous)	4.921	4.954	4.987	5.024	5.062
GRP (Bil 2000\$)	0.170	0.173	0.175	0.179	0.182
State & Local Gov Spending (Bil 2000\$)	0.038	0.037	0.037	0.038	0.038
Real Disp Pers Inc (Bil 2000\$)	0.164	0.168	0.173	0.177	0.180
Residential Investment (Bil 2000\$)	0.002	0.003	0.003	0.003	0.003
Opt Res Capital Stock (Bil 2000\$)	0.099	0.100	0.102	0.103	0.105
Act Res Capital Stock (Bil 2000\$)	0.082	0.084	0.085	0.086	0.087
Exog Emp (Thous)	0.000	0.000	0.000	0.000	0.000
Exog Prod (Bil 2000\$)	0.000	0.000	0.000	0.000	0.000
Manufacturing	0.055	0.056	0.056	0.057	0.058
Mining	0.023	0.023	0.023	0.024	0.024
Construction	0.059	0.060	0.061	0.062	0.063
Trans./Public Util.	0.064	0.064	0.063	0.063	0.062
Fin/Ins/Real Est	0.096	0.096	0.096	0.097	0.097
Retail Trade	0.371	0.374	0.376	0.380	0.382
Wholesale Trade	0.011	0.011	0.011	0.011	0.011
Services	1.058	1.072	1.087	1.103	1.118
Agri/For/Fish Serv	0.042	0.042	0.043	0.043	0.044
State and Local	0.708	0.715	0.722	0.730	0.737
Federal Civilian	0.031	0.031	0.032	0.032	0.032
Federal Military	0.011	0.011	0.011	0.011	0.011
Farm	0.092	0.091	0.090	0.089	0.089
Hotels	0.192	0.196	0.201	0.205	0.210
Amusem & Recr	0.000	0.000	0.000	0.000	0.000
Eating & Drinking	0.151	0.154	0.156	0.159	0.161
<b>Migrants</b>					
Total Migrants	0.000	0.000	0.000	0.000	0.000

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Total Emp (Thous)	375.561	381.66	386.307	391.071	395.361	399.662	404.055	408.466
Population (Thous)	561.671	572.142	581.695	590.749	599.217	607.224	614.869	622.208
GRP (Bil 92\$)	16.985	17.48	17.996	18.499	19.005	19.515	20.034	20.559
State & Local Gov Spending (Bil 92\$)	1.689	1.718	1.754	1.813	1.87	1.925	1.98	2.034
Real Disp Pers Inc (Bil 92\$)	13.323	13.758	14.131	14.478	14.822	15.177	15.535	15.912
Residential Investment (Bil 92\$)	0.951	0.91	0.879	0.862	0.848	0.837	0.829	0.824
Opt Res Capital Stock (Bil 92\$)	21.068	21.416	21.782	22.22	22.655	23.087	23.523	23.966
Act Res Capital Stock (Bil 92\$)	14.983	15.592	16.161	16.706	17.229	17.734	18.223	18.699
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.681	23.54	23.483	23.477	23.538	23.566	23.56	23.528
Mining	11.028	9.884	9.16	8.709	8.353	8.067	7.836	7.639
Construction	26.511	26.45	25.868	25.583	25.512	25.481	25.496	25.548
Trans./Public Util.	17.408	17.611	17.797	17.992	18.145	18.28	18.39	18.489
Fin/Ins/Real Est	27.61	28.131	28.625	28.975	29.274	29.561	29.845	30.123
Retail Trade	58.57	60.391	61.253	61.678	61.778	61.881	62.016	62.178
Wholesale Trade	16.381	16.468	16.507	16.555	16.59	16.608	16.612	16.607
Services	139.437	143.592	147.437	150.894	153.974	157.091	160.275	163.471
Agri/For/Fish Serv	3.791	3.915	4.015	4.101	4.185	4.263	4.339	4.415
State and Local	38.706	39.244	39.874	40.901	41.884	42.818	43.721	44.586
Federal Civilian	5.515	5.538	5.481	5.442	5.403	5.364	5.324	5.283
Federal Military	2.304	2.358	2.35	2.393	2.435	2.478	2.521	2.566
Farm	4.62	4.539	4.457	4.372	4.289	4.204	4.12	4.033
Hotels	48.053	49.251	50.319	51.172	51.879	52.567	53.227	53.83
Amusem & Recr	12.649	13.193	13.699	14.093	14.449	14.79	15.13	15.462
Eating & Drinking	16.254	16.685	17.011	17.204	17.35	17.496	17.653	17.815
<b>Migrants</b>								
Total Migrants								

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Total Emp (Thous)	412.735	416.992	420.323	423.852	428.089	432.382	436.741	441.174
Population (Thous)	629.227	635.925	642.332	648.695	655.25	661.885	668.573	675.372
GRP (Bil 92\$)	21.085	21.613	22.01	22.465	22.954	23.453	23.958	24.468
State & Local Gov Spending (Bil 92\$)	2.087	2.138	2.166	2.198	2.23	2.26	2.288	2.316
Real Disp Pers Inc (Bil 92\$)	16.285	16.654	16.997	17.352	17.72	18.068	18.41	18.758
Residential Investment (Bil 92\$)	0.818	0.813	0.795	0.791	0.793	0.795	0.799	0.803
Opt Res Capital Stock (Bil 92\$)	24.391	24.811	25.126	25.515	25.94	26.361	26.788	27.22
Act Res Capital Stock (Bil 92\$)	19.162	19.613	20.041	20.458	20.87	21.278	21.683	22.085
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.458	23.363	23.415	23.598	23.835	24.122	24.447	24.782
Mining	7.478	7.355	7.061	6.835	6.636	6.471	6.322	6.208
Construction	25.605	25.685	25.563	25.419	25.455	25.542	25.673	25.843
Trans./Public Util.	18.567	18.633	18.671	18.646	18.648	18.658	18.672	18.685
Fin/Ins/Real Est	30.389	30.642	30.495	30.486	30.509	30.525	30.533	30.542
Retail Trade	62.31	62.449	62.529	62.667	62.904	63.125	63.332	63.527
Wholesale Trade	16.586	16.557	16.501	16.501	16.526	16.557	16.591	16.626
Services	166.636	169.806	172.904	175.858	179.064	182.297	185.523	188.748
Agri/For/Fish Serv	4.487	4.557	4.644	4.749	4.86	4.971	5.081	5.192
State and Local	45.421	46.23	46.804	47.346	47.895	48.361	48.82	49.285
Federal Civilian	5.242	5.201	5.241	5.274	5.305	5.325	5.342	5.356
Federal Military	2.611	2.655	2.674	2.692	2.708	2.722	2.734	2.745
Farm	3.945	3.859	3.82	3.782	3.744	3.707	3.67	3.633
Hotels	54.386	54.901	55.877	57.19	58.581	60.016	61.472	62.944
Amusem & Recr	15.792	16.131	16.328	16.449	16.578	16.698	16.805	16.904
Eating & Drinking	17.969	18.124	18.236	18.335	18.472	18.617	18.771	18.935
<b>Migrants</b>								
Total Migrants								



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control</b>								
<b>Levels (after DETR update)</b>								
<b>Rest of Nevada</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Total Emp (Thous)	445.394	449.317	453.039	456.347	459.368	462.053	464.402	466.673
Population (Thous)	682.3	689.362	696.585	703.952	711.477	719.173	727.127	735.341
GRP (Bil 92\$)	24.967	25.448	25.921	26.363	26.786	27.187	27.564	27.941
State & Local Gov Spending (Bil 92\$)	2.344	2.371	2.399	2.426	2.452	2.478	2.504	2.533
Real Disp Pers Inc (Bil 92\$)	19.103	19.445	19.801	20.152	20.515	20.894	21.279	21.701
Residential Investment (Bil 92\$)	0.806	0.808	0.81	0.811	0.814	0.818	0.822	0.827
Opt Res Capital Stock (Bil 92\$)	27.637	28.045	28.445	28.836	29.232	29.641	30.041	30.45
Act Res Capital Stock (Bil 92\$)	22.484	22.878	23.267	23.652	24.032	24.411	24.788	25.163
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	25.101	25.399	25.668	25.897	26.08	26.221	26.311	26.371
Mining	6.09	5.962	5.867	5.745	5.654	5.533	5.425	5.313
Construction	26.015	26.175	26.334	26.468	26.597	26.719	26.82	26.923
Trans./Public Util.	18.686	18.669	18.635	18.58	18.506	18.409	18.295	18.171
Fin/Ins/Real Est	30.535	30.504	30.464	30.398	30.311	30.211	30.087	29.975
Retail Trade	63.676	63.767	63.812	63.799	63.736	63.649	63.501	63.352
Wholesale Trade	16.647	16.648	16.636	16.592	16.531	16.44	16.325	16.193
Services	191.903	194.926	197.851	200.6	203.176	205.601	207.848	210.049
Agri/For/Fish Serv	5.302	5.407	5.511	5.611	5.707	5.802	5.892	5.984
State and Local	49.722	50.162	50.585	51.007	51.444	51.872	52.33	52.802
Federal Civilian	5.365	5.372	5.375	5.377	5.378	5.376	5.375	5.373
Federal Military	2.756	2.765	2.776	2.784	2.792	2.799	2.806	2.815
Farm	3.597	3.561	3.525	3.49	3.455	3.42	3.386	3.352
Hotels	64.413	65.851	67.261	68.616	69.904	71.129	72.29	73.426
Amusem & Recr	16.99	17.054	17.108	17.136	17.146	17.139	17.115	17.091
Eating & Drinking	19.098	19.255	19.408	19.552	19.688	19.825	19.949	20.079
<b>Migrants</b>								
Total Migrants								

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Adjusted Regional Control Levels (after DETR update)								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Total Emp (Thous)	468.846	470.974	473.08	475.403	478.162	481.225	484.601	488.453
Population (Thous)	743.794	752.461	761.34	770.452	779.798	789.315	798.938	808.648
GRP (Bil 92\$)	28.3	28.657	29.013	29.384	29.795	30.22	30.675	31.164
State & Local Gov Spending (Bil 92\$)	2.563	2.593	2.623	2.654	2.69	2.726	2.763	2.8
Real Disp Pers Inc (Bil 92\$)	22.137	22.597	23.068	23.558	24.093	24.626	25.167	25.717
Residential Investment (Bil 92\$)	0.833	0.842	0.851	0.863	0.875	0.887	0.899	0.914
Opt Res Capital Stock (Bil 92\$)	30.863	31.294	31.731	32.191	32.662	33.134	33.611	34.11
Act Res Capital Stock (Bil 92\$)	25.538	25.914	26.294	26.678	27.068	27.463	27.863	28.269
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	26.39	26.389	26.38	26.383	26.404	26.454	26.546	26.686
Mining	5.22	5.117	5.023	4.955	4.891	4.832	4.779	4.733
Construction	27.024	27.127	27.238	27.381	27.557	27.752	27.967	28.237
Trans./Public Util.	18.036	17.897	17.757	17.622	17.502	17.396	17.305	17.237
Fin/Ins/Real Est	29.855	29.738	29.62	29.516	29.448	29.393	29.357	29.342
Retail Trade	63.198	63.042	62.88	62.742	62.648	62.581	62.518	62.51
Wholesale Trade	16.038	15.873	15.697	15.527	15.365	15.207	15.059	14.927
Services	212.186	214.283	216.363	218.497	220.836	223.328	225.977	228.846
Agri/For/Fish Serv	6.076	6.168	6.26	6.354	6.455	6.559	6.666	6.778
State and Local	53.308	53.845	54.391	54.977	55.62	56.298	57.009	57.744
Federal Civilian	5.373	5.374	5.375	5.377	5.381	5.388	5.397	5.407
Federal Military	2.824	2.834	2.843	2.853	2.868	2.882	2.897	2.912
Farm	3.319	3.286	3.253	3.22	3.188	3.156	3.125	3.093
Hotels	74.529	75.608	76.684	77.775	78.946	80.192	81.524	82.955
Amusem & Recr	17.054	17.012	16.968	16.924	16.903	16.884	16.87	16.868
Eating & Drinking	20.211	20.348	20.487	20.638	20.81	20.995	21.188	21.405
<b>Migrants</b>								
Total Migrants								

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>Adjusted Regional Control</b>					
<b>Levels (after DETR update)</b>					
<b>Rest of Nevada</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	492.944	498.07	503.674	509.438	515.155
Population (Thous)	818.397	828.229	838.144	848.089	857.98
GRP (Bil 92\$)	31.699	32.289	32.906	33.537	34.167
State & Local Gov Spending (Bil 92\$)	2.837	2.878	2.92	2.962	3.003
Real Disp Pers Inc (Bil 92\$)	26.299	26.927	27.573	28.221	28.851
Residential Investment (Bil 92\$)	0.934	0.956	0.977	0.997	1.013
Opt Res Capital Stock (Bil 92\$)	34.658	35.228	35.81	36.397	36.967
Act Res Capital Stock (Bil 92\$)	28.689	29.121	29.567	30.024	30.489
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	26.884	27.123	27.41	27.716	28.037
Mining	4.72	4.715	4.711	4.702	4.693
Construction	28.589	29	29.448	29.9	30.338
Trans./Public Util.	17.19	17.166	17.163	17.168	17.171
Fin/Ins/Real Est	29.352	29.405	29.48	29.56	29.631
Retail Trade	62.593	62.751	62.963	63.173	63.339
Wholesale Trade	14.825	14.747	14.68	14.62	14.556
Services	231.975	235.415	239.096	242.888	246.692
Agri/For/Fish Serv	6.898	7.029	7.166	7.305	7.441
State and Local	58.509	59.312	60.147	60.994	61.844
Federal Civilian	5.418	5.429	5.441	5.453	5.465
Federal Military	2.928	2.947	2.967	2.987	3.006
Farm	3.062	3.032	3.001	2.971	2.942
Hotels	84.486	86.15	87.921	89.762	91.651
Amusem & Recr	16.878	16.909	16.948	16.982	17.011
Eating & Drinking	21.659	21.947	22.259	22.579	22.891
<b>Migrants</b>					
Total Migrants					

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	1999	2000	2001	2002	2003	2004	2005	2006
<b>Changes caused by simulation (UNLV update + DOE + Nye county) w/o Economic Migration Adjustment</b>								
Total Emp (Thous)	0	0.09122	-0.03641	-0.03448	-0.03311	-0.03229	-0.03214	-0.1209
Population (Thous)	0	0.01581	0.03198	0.04138	0.05029	0.05774	0.06366	0.06866
GRP (Bil 92\$)	0.00E+00	4.11E-03	-1.09E-03	-9.73E-04	-8.68E-04	-8.07E-04	-7.78E-04	-4.53E-03
State & Local Gov Spending (Bil 92\$)	0.00E+00	4.75E-05	9.66E-05	1.27E-04	1.57E-04	1.83E-04	2.05E-04	2.24E-04
Real Disp Pers Inc (Bil 92\$)	0	1.64E-03	1.47E-03	1.55E-03	1.64E-03	1.70E-03	1.74E-03	1.80E-03
Residential Investment (Bil 92\$)	0.00E+00	3.23E-04	2.46E-04	2.33E-04	2.20E-04	2.05E-04	1.87E-04	1.74E-04
Opt Res Capital Stock (Bil 92\$)	0.00E+00	2.55E-03	2.26E-03	2.39E-03	2.51E-03	2.59E-03	2.63E-03	2.70E-03
Act Res Capital Stock (Bil 92\$)	0.00E+00	3.23E-04	5.63E-04	7.86E-04	9.94E-04	1.18E-03	1.35E-03	1.50E-03
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.00E+00	1.13E-02	8.34E-03	7.67E-03	7.07E-03	6.50E-03	5.97E-03	5.18E-03
Mining	0.00E+00	4.92E-04	1.44E-04	1.27E-04	1.09E-04	9.35E-05	7.77E-05	4.15E-05
Construction	0.00E+00	8.24E-03	8.96E-03	8.94E-03	8.84E-03	8.66E-03	8.39E-03	0.01052
Trans./Public Util.	0.00E+00	1.83E-03	1.30E-03	1.18E-03	1.07E-03	9.61E-04	8.56E-04	7.48E-04
Fin/Ins/Real Est	0.00E+00	6.75E-03	4.62E-03	4.56E-03	4.47E-03	4.36E-03	4.22E-03	3.55E-03
Retail Trade	0	0.008614	0.006813	0.006664	0.006378	0.006088	0.005745	0.005596
Wholesale Trade	0.00E+00	4.44E-03	3.28E-03	3.30E-03	3.26E-03	3.19E-03	3.10E-03	2.98E-03
Services	0	0.04395	0.0329	0.03148	0.03012	0.02895	0.02794	0.02501
Agri/For/Fish Serv	0.00E+00	5.16E-04	4.22E-04	4.11E-04	3.97E-04	3.81E-04	3.64E-04	3.72E-04
State and Local	0	0.005089	-0.1032	-0.09884	-0.09478	-0.09145	-0.08885	-0.1749
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	0.00E+00	-4.92E-04	-1.40E-03	-2.24E-03	-3.02E-03	-3.65E-03	-4.15E-03	-4.54E-03
Amusem & Recr	0	0.006837	0.004667	0.004679	0.004644	0.004599	0.004545	0.003721
Eating & Drinking	0	0.0023	0.001764	0.001722	0.001646	0.001575	0.001488	0.001425

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	-0.1199	-0.1191	-0.1173	-0.1164	-0.02109	-0.02481	-0.02948	-0.03436
Population (Thous)	0.07294	0.07635	0.08008	0.08398	0.08636	0.08765	0.08765	0.08685
GRP (Bil 92\$)	-4.50E-03	-4.48E-03	-4.35E-03	-4.28E-03	-1.07E-04	-2.61E-04	-4.73E-04	-7.06E-04
State & Local Gov Spending (Bil 92\$)	2.42E-04	2.57E-04	2.70E-04	2.85E-04	2.94E-04	2.99E-04	3.00E-04	2.98E-04
Real Disp Pers Inc (Bil 92\$)	1.85E-03	0.0019	0.002037	0.00215	0.002151	0.002125	0.002087	0.002045
Residential Investment (Bil 92\$)	1.64E-04	1.54E-04	1.62E-04	1.64E-04	1.46E-04	1.25E-04	1.06E-04	8.85E-05
Opt Res Capital Stock (Bil 92\$)	2.77E-03	2.83E-03	3.01E-03	3.16E-03	3.15E-03	3.10E-03	3.04E-03	2.97E-03
Act Res Capital Stock (Bil 92\$)	1.64E-03	1.77E-03	1.90E-03	2.04E-03	2.15E-03	2.24E-03	2.31E-03	2.36E-03
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	4.81E-03	4.50E-03	4.56E-03	4.58E-03	4.79E-03	4.54E-03	4.24E-03	3.92E-03
Mining	3.86E-05	3.62E-05	7.49E-05	1.04E-04	1.15E-04	1.05E-04	9.30E-05	8.54E-05
Construction	0.01033	0.01012	0.01042	1.05E-02	7.55E-03	7.07E-03	6.57E-03	6.10E-03
Trans./Public Util.	6.96E-04	6.52E-04	6.77E-04	6.87E-04	6.66E-04	5.95E-04	5.26E-04	4.71E-04
Fin/Ins/Real Est	3.54E-03	3.51E-03	3.65E-03	3.74E-03	4.15E-03	3.92E-03	3.66E-03	3.39E-03
Retail Trade	0.005444	0.005333	0.005589	0.005733	0.005432	0.005119	0.004787	0.004498
Wholesale Trade	2.90E-03	2.84E-03	3.01E-03	3.12E-03	3.09E-03	2.94E-03	2.77E-03	2.61E-03
Services	0.02499	0.02509	0.02602	0.02621	0.02777	0.02621	0.02463	0.02313
Agri/For/Fish Serv	3.68E-04	3.66E-04	3.90E-04	4.09E-04	3.85E-04	3.70E-04	3.55E-04	3.40E-04
State and Local	-0.1731	-0.1716	-0.1717	-0.1715	-0.07505	-0.07569	-0.07705	-0.07892
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-4.79E-03	-4.94E-03	-5.08E-03	-5.21E-03	-5.32E-03	-5.34E-03	-5.30E-03	-5.15E-03
Amusem & Recr	0.003813	0.003902	0.004131	0.00425	0.005032	0.004776	0.004509	0.004248
Eating & Drinking	0.001394	0.001383	0.001463	0.001509	0.001472	0.001396	0.001318	0.001257

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2015	2016	2017	2018	2019	2020	2021	2022
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	-0.03961	-0.04492	-0.05042	-0.05609	-0.06186	-0.06793	0.01096	0.004456
Population (Thous)	0.08527	0.08307	0.08038	0.07739	0.07428	0.07092	0.0672	0.06323
GRP (Bil 92\$)	-9.56E-04	-0.001215	-0.001474	-0.001764	-0.002041	-0.002337	0.001238	0.0009232
State & Local Gov Spending (Bil 92\$)	2.93E-04	0.0002859	0.000277	0.0002668	0.0002561	0.0002441	0.0002313	0.0002179
Real Disp Pers Inc (Bil 92\$)	0.001987	0.00193	0.001884	0.001822	0.001772	0.001724	0.001635	0.00156
Residential Investment (Bil 92\$)	7.09E-05	5.48E-05	4.28E-05	2.92E-05	2.07E-05	1.25E-05	-1.67E-06	-1.17E-05
Opt Res Capital Stock (Bil 92\$)	2.88E-03	0.002785	0.002708	0.002604	0.002527	0.002445	0.002308	0.002193
Act Res Capital Stock (Bil 92\$)	2.39E-03	0.002409	0.002413	0.002403	0.002384	0.002359	0.002321	0.002274
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	3.61E-03	0.003321	0.003033	0.002764	0.002502	0.002243	0.002216	0.001938
Mining	8.01E-05	7.68E-05	7.63E-05	7.73E-05	7.92E-05	8.15E-05	9.49E-05	9.68E-05
Construction	5.65E-03	0.005243	0.004873	0.004528	0.004219	0.003927	0.001032	0.0007381
Trans./Public Util.	4.23E-04	0.0003815	0.0003529	0.0003281	0.0003128	0.0002956	0.0002937	0.0002766
Fin/Ins/Real Est	3.14E-03	0.002914	0.002686	0.002457	0.002247	0.002033	0.002216	0.001953
Retail Trade	0.004223	0.003975	0.003769	0.003571	0.003418	0.003273	0.002983	0.002808
Wholesale Trade	2.45E-03	0.002314	0.002188	0.002077	0.001978	0.001886	0.001842	0.001755
Services	0.02171	0.02051	0.01935	0.01825	0.01729	0.01627	0.01698	0.01561
Agri/For/Fish Serv	3.29E-04	0.0003166	0.000308	0.0003004	0.0002961	0.000289	0.0002561	0.0002451
State and Local	-0.08122	-0.08397	-0.08704	-0.09047	-0.0942	-0.09818	-0.01693	-0.021
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-4.94E-03	-0.004654	-0.004341	-0.00399	-0.003632	-0.003212	-0.002823	-0.002403
Amusem & Recr	0.004005	0.003775	0.003569	0.003366	0.00317	0.002981	0.003468	0.003178
Eating & Drinking	0.001188	0.001133	0.001087	0.001045	0.00102	0.0009861	0.000946	0.0008984



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
<b>Changes caused by simulation (UNLV update)</b>								
Total Emp (Thous)	-0.002686	-0.01041	-0.01825	-0.02649	-0.03506	-0.04398	-0.05334	-0.06323
Population (Thous)	0.05939	0.05542	0.05164	0.04749	0.04346	0.03931	0.03516	0.03076
GRP (Bil 92\$)	0.0005703	0.0001812	-0.0002251	-0.0006466	-0.001099	-0.001575	-0.002083	-0.002611
State & Local Gov Spending (Bil 92\$)	0.0002046	0.000191	0.0001779	0.0001636	0.00015	0.0001357	0.0001216	0.0001068
Real Disp Pers Inc (Bil 92\$)	0.001482	0.001398	0.001318	0.001232	0.001141	0.001034	0.0009327	0.0008011
Residential Investment (Bil 92\$)	-2.18E-05	-3.11E-05	-3.80E-05	-4.61E-05	-5.38E-05	-6.30E-05	-6.99E-05	-7.99E-05
Opt Res Capital Stock (Bil 92\$)	0.002068	0.001938	0.001818	0.001682	0.001545	0.001389	0.00124	0.001064
Act Res Capital Stock (Bil 92\$)	0.002216	0.00215	0.002077	0.001999	0.001913	0.00182	0.00172	0.001614
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0016	0.00123	0.0008469	0.0004578	3.62E-05	-0.0003948	-0.0008469	-0.001318
Mining	9.68E-05	9.87E-05	9.87E-05	9.87E-05	9.73E-05	9.68E-05	9.63E-05	9.44E-05
Construction	0.0004196	0.0001087	-0.0001888	-0.0004921	-0.0007839	-0.001116	-0.001419	-0.001778
Trans./Public Util.	0.0002499	0.0002251	0.0001945	0.000164	0.0001373	0.0001049	7.06E-05	3.43E-05
Fin/Ins/Real Est	0.00168	0.001385	0.001099	0.0007935	0.0004845	0.0001583	-0.0001812	-0.0005379
Retail Trade	0.002625	0.002403	0.002182	0.001953	0.00174	0.001495	0.001244	0.0009613
Wholesale Trade	0.001648	0.001528	0.001402	0.001284	0.001159	0.001031	0.0009041	0.0007696
Services	0.01414	0.01245	0.01089	0.00914	0.007355	0.005554	0.00354	0.001465
Agri/For/Fish Serv	0.0002313	0.000216	0.0001993	0.0001845	0.0001669	0.0001435	0.0001206	9.35E-05
State and Local	-0.02541	-0.03008	-0.03496	-0.04009	-0.04544	-0.05104	-0.05688	-0.06299
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	-0.002007	-0.001617	-0.001244	-0.000885	-0.0005035	-0.0001297	0.0002213	0.0005646
Amusem & Recr	0.00288	0.002584	0.002295	0.002007	0.001719	0.001413	0.001095	0.0007648
Eating & Drinking	0.0008602	0.0007992	0.0007401	0.0006809	0.000618	0.0005398	0.0004692	0.0003757

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Rest of Nevada	2031	2032	2033	2034	2035
<b>Changes caused by simulation (UNLV update)</b>					
Total Emp (Thous)	-0.07324	-0.08395	-0.09518	-0.107	-0.1189
Population (Thous)	0.02631	0.02185	0.01721	0.01239	0.007446
GRP (Bil 92\$)	-0.003164	-0.00375	-0.004395	-0.005051	-0.005722
State & Local Gov Spending (Bil 92\$)	9.13E-05	7.58E-05	6.01E-05	4.34E-05	2.60E-05
Real Disp Pers Inc (Bil 92\$)	0.0006809	0.0005493	0.0004025	0.0002556	0.0001068
Residential Investment (Bil 92\$)	-8.82E-05	-9.64E-05	-0.000106	-0.0001147	-0.0001228
Opt Res Capital Stock (Bil 92\$)	0.0008965	0.000721	0.0005226	0.0003281	0.0001335
Act Res Capital Stock (Bil 92\$)	0.001501	0.001381	0.001253	0.00112	0.0009804
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	-0.001808	-0.002335	-0.002882	-0.003448	-0.004028
Mining	9.30E-05	8.97E-05	8.82E-05	8.54E-05	8.44E-05
Construction	-0.002096	-0.002436	-0.002817	-0.003195	-0.003555
Trans./Public Util.	0	-3.62E-05	-7.63E-05	-0.0001144	-0.0001488
Fin/Ins/Real Est	-0.0009079	-0.001314	-0.001726	-0.002163	-0.002611
Retail Trade	0.0007172	0.0004501	0.000164	-0.0001488	-0.0004349
Wholesale Trade	0.0006351	0.0004959	0.0003586	0.0002184	8.20E-05
Services	-0.0006256	-0.002991	-0.005356	-0.007996	-0.01048
Agri/For/Fish Serv	7.11E-05	4.01E-05	9.54E-06	-2.43E-05	-5.82E-05
State and Local	-0.06934	-0.07598	-0.08294	-0.09019	-0.09774
Federal Civilian	0	0	0	0	0
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	0.0009384	0.001297	0.001671	0.002052	0.002472
Amusem & Recr	0.0004234	5.91E-05	-0.0003242	-0.0007172	-0.001112
Eating & Drinking	0.0002975	0.0002098	0.0001163	5.72E-06	-9.35E-05



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migration + DOE + Nye county) w/o Economic Migration Adjustment								
Rest of Nevada	1999	2000	2001	2002	2003	2004	2005	2006
Total Emp (Thous)	375.561	381.75122	386.27059	391.03652	395.32789	399.62971	404.02286	408.3451
Population (Thous)	561.671	572.15781	581.72698	590.79038	599.26729	607.28174	614.93266	622.27666
GRP (Bil 92\$)	16.985	17.484105	17.994907	18.498027	19.004132	19.514193	20.033222	20.554468
State & Local Gov Spending (Bil 92\$)	1.689	1.7180475	1.7540966	1.8131271	1.8701568	1.9251831	1.9802049	2.0342244
Real Disp Pers Inc (Bil 92\$)	13.323	13.759636	14.132466	14.479554	14.82364	15.178701	15.53674	15.913795
Residential Investment (Bil 92\$)	0.951	0.9103231	0.8792459	0.8622325	0.8482199	0.8372047	0.8291869	0.8241744
Opt Res Capital Stock (Bil 92\$)	21.068	21.418548	21.784256	22.222386	22.657506	23.089588	23.525634	23.968703
Act Res Capital Stock (Bil 92\$)	14.983	15.592323	16.161563	16.706786	17.229994	17.735183	18.22435	18.700503
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.681	23.5513	23.491337	23.484671	23.545071	23.572498	23.56597	23.533177
Mining	11.028	9.8844921	9.160144	8.7091268	8.3531087	8.0670935	7.8360777	7.6390415
Construction	26.511	26.45824	25.876963	25.591938	25.520842	25.489661	25.504385	25.55852
Trans./Public Util.	17.408	17.612833	17.798297	17.993183	18.146068	18.280961	18.390856	18.489748
Fin/Ins/Real Est	27.61	28.13775	28.629623	28.97956	29.278467	29.565364	29.849223	30.126553
Retail Trade	58.57	60.399614	61.259813	61.684664	61.784378	61.887088	62.021745	62.183596
Wholesale Trade	16.381	16.47244	16.510281	16.5583	16.593263	16.611193	16.615098	16.609975
Services	139.437	143.63595	147.4699	150.92548	154.00412	157.11995	160.30294	163.49601
Agri/For/Fish Serv	3.791	3.9155162	4.015422	4.101411	4.1853967	4.263381	4.3393638	4.4153724
State and Local	38.706	39.249089	39.7708	40.80216	41.78922	42.72655	43.63215	44.4111
Federal Civilian	5.515	5.538	5.481	5.442	5.403	5.364	5.324	5.283
Federal Military	2.304	2.358	2.35	2.393	2.435	2.478	2.521	2.566
Farm	4.62	4.539	4.457	4.372	4.289	4.204	4.12	4.033
Hotels	48.053	49.250508	50.317604	51.169761	51.875983	52.563346	53.22285	53.825464
Amusem & Recr	12.649	13.199837	13.703667	14.097679	14.453644	14.794599	15.134545	15.465721
Eating & Drinking	16.254	16.6873	17.012764	17.205722	17.351646	17.497575	17.654488	17.816425
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000) all inputs	10.12	13.7	17.54	25.51	29.91	34.18	37.17	40.24
Test results: Rest of NV pop output after siml Level (1000)	571.791	585.842	599.235	616.259	629.127	641.404	652.039	662.448

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migrat)								
Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Total Emp (Thous)	412.6151	416.8729	420.2057	423.7356	428.06791	432.35719	436.71152	441.13964
Population (Thous)	629.29994	636.00135	642.41208	648.77898	655.33636	661.97265	668.66065	675.45885
GRP (Bil 92\$)	21.080499	21.608522	22.005649	22.460724	22.953893	23.452739	23.957527	24.467294
State & Local Gov Spending (Bil 92\$)	2.087242	2.1382568	2.1662699	2.1982847	2.230294	2.2602992	2.2882999	2.316298
Real Disp Pers Inc (Bil 92\$)	16.286848	16.6559	16.999037	17.35415	17.722151	18.070125	18.412087	18.760045
Residential Investment (Bil 92\$)	0.8181639	0.8131542	0.7951617	0.7911638	0.7931457	0.7951251	0.7991059	0.8030885
Opt Res Capital Stock (Bil 92\$)	24.393769	24.813831	25.129014	25.51816	25.943149	26.364098	26.791035	27.222966
Act Res Capital Stock (Bil 92\$)	19.163642	19.61477	20.042902	20.460035	20.872148	21.280237	21.685308	22.087359
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.46281	23.367503	23.41956	23.60258	23.839793	24.126539	24.451236	24.785922
Mining	7.4780386	7.3550362	7.0610749	6.835104	6.6361154	6.4711049	6.322093	6.2080854
Construction	25.61533	25.69512	25.57342	25.42948	25.462551	25.549072	25.679567	25.8491
Trans./Public Util.	18.567696	18.633652	18.671677	18.646687	18.648666	18.658595	18.672526	18.685471
Fin/Ins/Real Est	30.392536	30.645511	30.498653	30.489735	30.513154	30.528918	30.536658	30.545393
Retail Trade	62.315444	62.454333	62.534589	62.672733	62.909432	63.130119	63.336787	63.531498
Wholesale Trade	16.588903	16.559836	16.504006	16.504122	16.529088	16.559943	16.593773	16.628609
Services	166.66099	169.83109	172.93002	175.88421	179.09177	182.32321	185.54763	188.77113
Agri/For/Fish Serv	4.4873681	4.5573657	4.6443896	4.7494086	4.8603853	4.97137	5.0813552	5.1923395
State and Local	45.2479	46.0584	46.6323	47.1745	47.81995	48.28531	48.74295	49.20608
Federal Civilian	5.242	5.201	5.241	5.274	5.305	5.325	5.342	5.356
Federal Military	2.611	2.655	2.674	2.692	2.708	2.722	2.734	2.745
Farm	3.945	3.859	3.82	3.782	3.744	3.707	3.67	3.633
Hotels	54.381213	54.896056	55.871923	57.184789	58.575682	60.010656	61.466701	62.938854
Amusem & Recr	15.795813	16.134902	16.332131	16.45325	16.583032	16.702776	16.809509	16.908248
Eating & Drinking	17.970394	18.125383	18.237463	18.336509	18.473472	18.618396	18.772318	18.936257
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000) all inputs	43.69	46.17	50.99	57.67	61.46	64.98	68.16	71.06
Test results: Rest of NV pop output after siml Level (1000)	672.917	682.095	693.322	706.365	716.71	726.865	736.733	746.432

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migrat)								
Rest of Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Total Emp (Thous)	445.35439	449.27208	452.98858	456.29091	459.30614	461.98507	464.41296	466.67746
Population (Thous)	682.38527	689.44507	696.66538	704.02939	711.55128	719.24392	727.1942	735.40423
GRP (Bil 92\$)	24.966044	25.446785	25.919526	26.361236	26.783959	27.184663	27.565238	27.941923
State & Local Gov Spending (Bil 92\$)	2.3442928	2.3712859	2.399277	2.4262668	2.4522561	2.4782441	2.5042313	2.5332179
Real Disp Pers Inc (Bil 92\$)	19.104987	19.44693	19.802884	20.153822	20.516772	20.895724	21.280635	21.70256
Residential Investment (Bil 92\$)	0.8060709	0.8080548	0.8100428	0.8110292	0.8140207	0.8180125	0.8219983	0.8269883
Opt Res Capital Stock (Bil 92\$)	27.63988	28.047785	28.447708	28.838604	29.234527	29.643445	30.043308	30.452193
Act Res Capital Stock (Bil 92\$)	22.486392	22.880409	23.269413	23.654403	24.034384	24.413359	24.790321	25.165274
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	25.104611	25.402321	25.671033	25.899764	26.082502	26.223243	26.313216	26.372938
Mining	6.0900801	5.9620768	5.8670763	5.7450773	5.6540792	5.5330815	5.4250949	5.3130968
Construction	26.020653	26.180243	26.338873	26.472528	26.601219	26.722927	26.821032	26.923738
Trans./Public Util.	18.686423	18.669382	18.635353	18.580328	18.506313	18.409296	18.295294	18.171277
Fin/Ins/Real Est	30.538141	30.506914	30.466686	30.400457	30.313247	30.213033	30.089216	29.976953
Retail Trade	63.680223	63.770975	63.815769	63.802571	63.739418	63.652273	63.503983	63.354808
Wholesale Trade	16.649451	16.650314	16.638188	16.594077	16.532978	16.441886	16.326842	16.194755
Services	191.92471	194.94651	197.87035	200.61825	203.19329	205.61727	207.86498	210.06461
Agri/For/Fish Serv	5.3023285	5.4073166	5.511308	5.6113004	5.7072961	5.802289	5.8922561	5.9842451
State and Local	49.64078	50.07803	50.49796	50.91653	51.3498	51.77382	52.31307	52.781
Federal Civilian	5.365	5.372	5.375	5.377	5.378	5.376	5.375	5.373
Federal Military	2.756	2.765	2.776	2.784	2.792	2.799	2.806	2.815
Farm	3.597	3.561	3.525	3.49	3.455	3.42	3.386	3.352
Hotels	64.408064	65.846346	67.256659	68.61201	69.900368	71.125788	72.287177	73.423597
Amusem & Recr	16.994005	17.057775	17.111569	17.139366	17.14917	17.141981	17.118468	17.094178
Eating & Drinking	19.099188	19.256133	19.409087	19.553045	19.68902	19.825986	19.949946	20.079898
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000) all inputs	73.67	76.03	78.19	80.15	81.95	83.63	85.23	86.76
Test results: Rest of NV pop output after siml Level (1000)	755.97	765.392	774.775	784.102	793.427	802.803	812.357	822.101

### Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migrat								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Total Emp (Thous)	468.84331	470.96359	473.06175	475.37651	478.12694	481.18102	484.54766	488.38977
Population (Thous)	743.85339	752.51642	761.39164	770.49949	779.84146	789.35431	798.97316	808.67876
GRP (Bil 92\$)	28.30057	28.657181	29.012775	29.383353	29.793901	30.218425	30.672917	31.161389
State & Local Gov Spending (Bil 92\$)	2.5632046	2.593191	2.6231779	2.6541636	2.69015	2.7261357	2.7631216	2.8001068
Real Disp Pers Inc (Bil 92\$)	22.138482	22.598398	23.069318	23.559232	24.094141	24.627034	25.167933	25.717801
Residential Investment (Bil 92\$)	0.8329782	0.8419689	0.850962	0.8629539	0.8749462	0.886937	0.8989301	0.9139201
Opt Res Capital Stock (Bil 92\$)	30.865068	31.295938	31.732818	32.192682	32.663545	33.135389	33.61224	34.111064
Act Res Capital Stock (Bil 92\$)	25.540216	25.91615	26.296077	26.679999	27.069913	27.46482	27.86472	28.270614
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	26.3916	26.39023	26.380847	26.383458	26.404036	26.453605	26.545153	26.684682
Mining	5.2200968	5.1170987	5.0230987	4.9550987	4.8910973	4.8320968	4.7790963	4.7330944
Construction	27.02442	27.127109	27.237811	27.380508	27.556216	27.750884	27.965581	28.235222
Trans./Public Util.	18.03625	17.897225	17.757195	17.622164	17.502137	17.396105	17.305071	17.237034
Fin/Ins/Real Est	29.85668	29.739385	29.621099	29.516794	29.448485	29.393158	29.356819	29.341462
Retail Trade	63.200625	63.044403	62.882182	62.743953	62.64974	62.582495	62.519244	62.510961
Wholesale Trade	16.039648	15.874528	15.698402	15.528284	15.366159	15.208031	15.059904	14.92777
Services	212.20014	214.29545	216.37389	218.50614	220.84336	223.33355	225.98054	228.84747
Agri/For/Fish Serv	6.0762313	6.168216	6.2601993	6.3541845	6.4551669	6.5591435	6.6661206	6.7780935
State and Local	53.28259	53.81492	54.35604	54.93691	55.57456	56.24696	56.95212	57.68101
Federal Civilian	5.373	5.374	5.375	5.377	5.381	5.388	5.397	5.407
Federal Military	2.824	2.834	2.843	2.853	2.868	2.882	2.897	2.912
Farm	3.319	3.286	3.253	3.22	3.188	3.156	3.125	3.093
Hotels	74.526993	75.606383	76.682756	77.774115	78.945497	80.19187	81.524221	82.955565
Amusem & Recr	17.05688	17.014584	16.970295	16.926007	16.904719	16.885413	16.871095	16.868765
Eating & Drinking	20.21186	20.348799	20.48774	20.638681	20.810618	20.99554	21.188469	21.405376
Population Changes & Levels								
Test results: Rest of NV pop changes after siml Change (1000) all inputs	88.23	89.63	90.97	92.25	93.51	94.73	95.92	97.09
Test results: Rest of NV pop output after siml Level (1000)	832.024	842.091	852.31	862.702	873.308	884.045	894.858	905.738

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

Levels after simulation (UNLV update + migrat					
Rest of Nevada	2031	2032	2033	2034	2035
Total Emp (Thous)	492.87076	497.98605	503.57882	509.331	515.0361
Population (Thous)	818.42331	828.25085	838.16121	848.10139	857.98745
GRP (Bil 92\$)	31.695836	32.28525	32.901605	33.531949	34.161278
State & Local Gov Spending (Bil 92\$)	2.8370913	2.8780758	2.9200601	2.9620434	3.003026
Real Disp Pers Inc (Bil 92\$)	26.299681	26.927549	27.573403	28.221256	28.851107
Residential Investment (Bil 92\$)	0.9339118	0.9559036	0.976894	0.9968853	1.0128772
Opt Res Capital Stock (Bil 92\$)	34.658897	35.228721	35.810523	36.397328	36.967134
Act Res Capital Stock (Bil 92\$)	28.690501	29.122381	29.568253	30.02512	30.48998
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	26.882192	27.120665	27.407118	27.712552	28.032972
Mining	4.720093	4.7150897	4.7110882	4.7020854	4.6930844
Construction	28.586904	28.997564	29.445183	29.896805	30.334445
Trans./Public Util.	17.19	17.165964	17.162924	17.167886	17.170851
Fin/Ins/Real Est	29.351092	29.403686	29.478274	29.557837	29.628389
Retail Trade	62.593717	62.75145	62.963164	63.172851	63.338565
Wholesale Trade	14.825635	14.747496	14.680359	14.620218	14.556082
Services	231.97437	235.41201	239.09064	242.88	246.68152
Agri/For/Fish Serv	6.8980711	7.0290401	7.1660095	7.3049757	7.4409418
State and Local	58.43966	59.23602	60.06406	60.90381	61.74626
Federal Civilian	5.418	5.429	5.441	5.453	5.465
Federal Military	2.928	2.947	2.967	2.987	3.006
Farm	3.062	3.032	3.001	2.971	2.942
Hotels	84.486938	86.151297	87.922671	89.764052	91.653472
Amusem & Recr	16.878423	16.909059	16.947676	16.981283	17.009888
Eating & Drinking	21.659298	21.94721	22.259116	22.579006	22.890907
Population Changes & Levels					
Test results: Rest of NV pop changes after siml Change (1000) all inputs	98.26	99.46	100.7	101.9	103.1
Test results: Rest of NV pop output after siml Level (1000)	916.657	927.689	938.844	949.989	961.08

# **Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.**

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
<b>CHANGES</b>								
<b>Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Rest of Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	1.763	2.703	3.393	4.924	5.989	7.115	8.08	8.968
Population (Thous)	10.12	13.7	17.54	25.51	29.91	34.18	37.17	40.24
GRP (Bil 92\$)	0.08389	0.1243	0.1557	0.2273	0.2746	0.3252	0.3681	0.4087
State & Local Gov Spending (Bil 92\$)	0.03043	0.04115	0.0529	0.07827	0.09332	0.1084	0.1197	0.1315
Real Disp Pers Inc (Bil 92\$)	0.0964	0.1312	0.1718	0.2575	0.3097	0.3666	4.14E-01	0.4639
Residential Investment (Bil 92\$)	1.93E-02	2.35E-02	2.83E-02	4.14E-02	4.63E-02	5.15E-02	5.41E-02	5.69E-02
Opt Res Capital Stock (Bil 92\$)	0.1524	0.2042	0.2649	0.3951	0.4733	0.5577	6.26E-01	0.6987
Act Res Capital Stock (Bil 92\$)	1.93E-02	0.04251	0.07011	0.1104	0.1549	0.2038	0.2545	0.3073
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.0362	0.07951	0.1077	0.1542	0.2018	0.2518	0.2996	0.3447
Mining	5.87E-03	9.87E-03	0.01324	0.01881	0.02369	0.02862	0.03303	0.03708
Construction	0.2214	0.2913	0.3585	0.5185	0.5957	0.6796	0.737	0.8005
Trans./Public Util.	0.02683	0.0431	0.06078	0.09259	0.1194	0.149	0.1771	0.2055
Fin/Ins/Real Est	0.141	0.1912	0.2418	0.3516	0.4123	0.4781	0.5295	0.5832
Retail Trade	0.1553	0.2306	0.3181	0.4887	0.614	0.7576	0.8908	1.029
Wholesale Trade	0.03213	0.05113	0.06782	0.1004	0.1258	0.1546	0.1816	0.2091
Services	0.3394	0.6007	0.84	1.263	1.629	2.031	2.416	2.805
Agri/For/Fish Serv	0.01763	0.02501	0.03379	0.05139	0.06349	0.07693	0.08876	0.1011
State and Local	0.7875	1.18	1.351	1.885	2.204	2.507	2.726	2.853
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	4.36E-02	1.01E-01	1.80E-01	2.93E-01	4.21E-01	5.64E-01	7.10E-01	8.57E-01
Amusem & Recr	0.01324	0.03053	0.04086	0.06203	0.08253	0.1051	0.1274	0.1489
Eating & Drinking	0.02269	0.03705	0.05479	0.08777	0.1168	0.1516	0.1864	0.2227
<b>Changes in Migrants</b>								
<b>Total Migrants</b>								



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE REST OF THE STATE OF NEVADA								
CHANGES								
Changes caused by simulation (UNLV update)								
Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	9.998	10.85	12.01	13.39	14.47	15.38	16.27	17.12
Population (Thous)	43.69	46.17	50.99	57.67	61.46	64.98	68.16	71.06
GRP (Bil 92\$)	0.4567	0.496	0.5505	0.619	0.6691	0.7128	0.7546	0.7951
State & Local Gov Spending (Bil 92\$)	0.1449	0.1553	0.1719	0.1954	0.2092	0.2219	0.2333	0.2437
Real Disp Pers Inc (Bil 92\$)	0.5202	0.5656	0.6362	0.7256	0.785	0.8396	0.8917	0.9423
Residential Investment (Bil 92\$)	6.06E-02	0.06169	0.06715	0.07569	0.07765	0.07868	0.07931	0.07965
Opt Res Capital Stock (Bil 92\$)	0.7792	0.8426	0.9404	1.067	1.149	1.225	1.298	1.367
Act Res Capital Stock (Bil 92\$)	0.3629	4.19E-01	4.79E-01	0.547	0.6158	0.6845	0.7528	0.8203
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.3877	0.4254	0.4663	0.5123	0.5563	0.5998	0.6436	0.6872
Mining	0.04093	0.04426	0.04683	0.04985	0.05232	0.05475	0.05708	0.05957
Construction	0.8698	0.912	1.005	1.121	1.165	1.205	1.24	1.27
Trans./Public Util.	0.2346	0.2601	0.2896	0.3212	0.3471	0.3716	0.3956	0.419
Fin/Ins/Real Est	0.6427	0.6876	0.7546	0.8404	0.8887	0.9327	0.9735	1.012
Retail Trade	1.175	1.298	1.451	1.621	1.751	1.869	1.984	2.096
Wholesale Trade	0.2372	0.2612	0.2898	0.3205	0.3444	0.3672	0.3893	0.411
Services	3.21	3.576	4.008	4.489	4.912	5.328	5.744	6.165
Agri/For/Fish Serv	0.1145	0.1256	0.1414	0.1609	0.1753	0.1891	0.2028	0.2163
State and Local	3.085	3.258	3.554	3.956	4.273	4.467	4.638	4.789
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	1.00E+00	1.14E+00	1.29E+00	1.45E+00	1.63E+00	1.80E+00	1.99E+00	2.17E+00
Amusem & Recr	0.1718	0.1925	0.2135	0.2343	0.2531	0.2691	0.2848	0.3003
Eating & Drinking	0.2612	0.2956	0.3342	0.3745	0.4097	4.42E-01	4.75E-01	5.08E-01
Changes in Migrants								
Total Migrants								

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE REST OF THE STATE OF NEVADA OUTPUT								
CHANGES								
Changes caused by simulation (UNLV update)								
Rest of Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	17.94	18.71	19.47	20.16	20.81	21.42	22.06	22.6
Population (Thous)	73.67	76.03	78.19	80.15	81.95	83.63	85.23	86.76
GRP (Bil 92\$)	0.8336	0.8701	0.9061	0.9388	0.9696	0.9984	1.029	1.056
State & Local Gov Spending (Bil 92\$)	0.2531	0.2615	0.2693	0.2762	0.2824	0.2882	0.2936	0.2989
Real Disp Pers Inc (Bil 92\$)	0.9901	1.035	1.081	1.122	1.161	1.199	1.236	1.276
Residential Investment (Bil 92\$)	0.07949	0.0789	0.07836	0.07718	0.07584	0.07443	0.07301	0.07194
Opt Res Capital Stock (Bil 92\$)	1.433	1.493	1.552	1.605	1.655	1.701	1.745	1.79
Act Res Capital Stock (Bil 92\$)	0.8866	0.9512	1.014	1.075	1.134	1.19	1.244	1.296
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.7299	0.7714	0.8113	0.8489	0.8836	0.9153	0.9433	0.9679
Mining	6.19E-02	6.40E-02	6.63E-02	6.81E-02	7.01E-02	7.15E-02	7.28E-02	7.39E-02
Construction	1.296	1.318	1.338	1.353	1.364	1.374	1.38	1.39
Trans./Public Util.	0.4414	0.4626	0.4831	0.5016	0.5185	0.5336	0.5471	0.5594
Fin/Ins/Real Est	1.048	1.081	1.113	1.141	1.167	1.191	1.213	1.234
Retail Trade	2.202	2.3	2.399	2.485	2.563	2.634	2.699	2.763
Wholesale Trade	0.4316	0.4513	0.4707	0.488	0.504	0.5184	0.5312	0.543
Services	6.583	6.994	7.407	7.802	8.183	8.545	8.888	9.222
Agri/For/Fish Serv	0.2295	0.2422	0.255	0.2669	0.2782	0.289	0.2993	0.3097
State and Local	4.918	5.03	5.126	5.208	5.281	5.344	5.487	5.538
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	2.36E+00	2.55E+00	2.74E+00	2.93E+00	3.11E+00	3.29E+00	3.453	3.614
Amusem & Recr	0.3154	0.3296	0.3439	0.3564	0.368	0.3784	0.3884	0.3972
Eating & Drinking	5.41E-01	5.72E-01	6.05E-01	0.6343	0.6625	0.6894	0.715	0.741
Changes in Migrants								
Total Migrants								



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE REST OF THE STATE OF NEVADA								
CHANGES								
Changes caused by simulation (UNLV update)								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	23.1	23.56	24	24.4	24.82	25.23	25.63	26.05
Population (Thous)	88.23	89.63	90.97	92.25	93.51	94.73	95.92	97.09
GRP (Bil 92\$)	1.08	1.103	1.124	1.144	1.166	1.187	1.208	1.229
State & Local Gov Spending (Bil 92\$)	0.304	0.3088	0.3134	0.3178	0.3226	0.3272	0.3317	0.3362
Real Disp Pers Inc (Bil 92\$)	1.314	1.353	1.392	1.431	1.475	1.519	1.564	1.613
Residential Investment (Bil 92\$)	0.07079	0.06988	0.06905	0.06826	0.06824	0.06829	0.06855	0.06959
Opt Res Capital Stock (Bil 92\$)	1.832	1.874	1.915	1.955	2	2.044	2.089	2.14
Act Res Capital Stock (Bil 92\$)	1.346	1.394	1.441	1.486	1.531	1.575	1.618	1.662
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	0.9884	1.006	1.02	1.033	1.04E+00	1.06E+00	1.06E+00	1.08E+00
Mining	7.50E-02	7.56E-02	7.62E-02	7.70E-02	7.76E-02	7.82E-02	7.86E-02	0.07898
Construction	1.399	1.407	1.42E+00	1.421	1.433	1.445	1.456	1.474
Trans./Public Util.	0.57	0.5793	0.5873	0.5941	0.601	6.07E-01	6.13E-01	0.6196
Fin/Ins/Real Est	1.253	1.27	1.286	1.30E+00	1.32E+00	1.332	1.346	1.362
Retail Trade	2.82	2.874	2.92E+00	2.966	3.016	3.064	3.111	3.165
Wholesale Trade	0.5524	0.5604	0.5666	0.5714	0.5761	0.5796	0.5823	0.585
Services	9.535	9.833	10.11	10.38	10.65	10.91	11.17	11.44
Agri/For/Fish Serv	0.3195	0.329	0.3382	0.3469	0.3564	0.3657	0.3749	0.3848
State and Local	5.586	5.631	5.671	5.709	5.749	5.79	5.83	5.872
Federal Civilian	0	0	0	0	0	0	0	0
Federal Military	0	0	0	0	0	0	0	0
Farm	0	0	0	0	0	0	0	0
Hotels	3.766	3.908	4.043	4.172	4.297	4.418	4.536	4.651
Amusem & Recr	0.4047	0.4113	0.4171	0.4221	0.4276	0.4324	0.4367	0.4416
Eating & Drinking	0.7655	0.7895	0.8125	0.8345	0.8593	0.8839	0.9087	0.9364
Changes in Migrants								
Total Migrants								

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE REST OF THE STATE OF NEVADA					
CHANGES					
Changes caused by simulation (UNLV update)					
Rest of Nevada	2031	2032	2033	2034	2035
Employment (Thous)	26.49	26.95	27.44	27.91	28.37
Population (Thous)	98.26	99.46	100.7	101.9	103.1
GRP (Bil 92\$)	1.252	1.277	1.303	1.328	1.353
State & Local Gov Spending (Bil 92\$)	0.3406	0.3456	0.3507	0.3558	0.3608
Real Disp Pers Inc (Bil 92\$)	1.666	1.725	1.788	1.853	1.92
Residential Investment (Bil 92\$)	0.07118	0.07339	0.07595	0.0785	0.08124
Opt Res Capital Stock (Bil 92\$)	2.195	2.257	2.322	2.39	2.46
Act Res Capital Stock (Bil 92\$)	1.707	1.753	1.801	1.851	1.902
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	1.09E+00	1.096	1.107	1.118	1.127
Mining	0.07977	0.08056	0.08124	0.08167	0.08201
Construction	1.495	1.522	1.551	1.58	1.609
Trans./Public Util.	0.6261	0.6331	0.6405	0.6474	0.6538
Fin/Ins/Real Est	1.378	1.397	1.416	1.434	1.452
Retail Trade	3.223	3.289	3.359	3.427	3.495
Wholesale Trade	0.5879	0.5913	0.5945	5.97E-01	5.99E-01
Services	11.7	11.97	12.25	12.52	12.79
Agri/For/Fish Serv	0.3951	0.4062	0.4178	0.4294	0.441
State and Local	5.916	5.965	6.018	6.071	6.125
Federal Civilian	0	0	0	0	0
Federal Military	0	0	0	0	0
Farm	0	0	0	0	0
Hotels	4.763	4.873	4.981	5.084	5.182
Amusem & Recr	0.4468	0.4526	0.4583	0.4635	0.4685
Eating & Drinking	0.9661	0.9989	1.034	1.069	1.106
Changes in Migrants					
Total Migrants					

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								
<b>Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Rest of Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	377.324	384.363	389.7	395.995	401.35	406.777	412.135	417.434
Population (Thous)	571.791	585.842	599.235	616.259	629.127	641.404	652.039	662.448
GRP (Bil 92\$)	17.06889	17.6043	18.1517	18.7263	19.2796	19.8402	20.4021	20.9677
State & Local Gov Spending (Bil 92\$)	1.71943	1.75915	1.8069	1.89127	1.96332	2.0334	2.0997	2.1655
Real Disp Pers Inc (Bil 92\$)	13.4194	13.8892	14.3028	14.7355	15.1317	15.5436	15.9486	16.3759
Residential Investment (Bil 92\$)	0.97033	0.93349	0.9073	0.90339	0.8943	0.88846	0.88307	0.88094
Opt Res Capital Stock (Bil 92\$)	21.2204	21.6202	22.0469	22.6151	23.1283	23.6447	24.1493	24.6647
Act Res Capital Stock (Bil 92\$)	15.00233	15.63451	16.23111	16.8164	17.3839	17.9378	18.4775	19.0063
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.7172	23.61951	23.5907	23.6312	23.7398	23.8178	23.8596	23.8727
Mining	11.033874	9.893871	9.17324	8.72781	8.37669	8.09562	7.86903	7.67608
Construction	26.7324	26.7413	26.2265	26.1015	26.1077	26.1606	26.233	26.3485
Trans./Public Util.	17.43483	17.6541	17.85778	18.08459	18.2644	18.429	18.5671	18.6945
Fin/Ins/Real Est	27.751	28.3222	28.8668	29.3266	29.6863	30.0391	30.3745	30.7062
Retail Trade	58.7253	60.6216	61.5711	62.1667	62.392	62.6386	62.9068	63.207
Wholesale Trade	16.41313	16.51913	16.57482	16.6554	16.7158	16.7626	16.7936	16.8161
Services	139.7764	144.1927	148.277	152.157	155.603	159.122	162.691	166.276
Agri/For/Fish Serv	3.80863	3.94001	4.04879	4.15239	4.24849	4.33993	4.42776	4.5161
State and Local	39.4935	40.424	41.225	42.786	44.088	45.325	46.447	47.439
Federal Civilian	5.515	5.538	5.481	5.442	5.403	5.364	5.324	5.283
Federal Military	2.304	2.358	2.35	2.393	2.435	2.478	2.521	2.566
Farm	4.62	4.539	4.457	4.372	4.289	4.204	4.12	4.033
Hotels	48.09657	49.352	50.4986	51.465	52.3003	53.1307	53.937	54.6866
Amusem & Recr	12.66224	13.22353	13.73986	14.15503	14.53153	14.8951	15.2574	15.6109
Eating & Drinking	16.27669	16.72205	17.06579	17.29177	17.4668	17.6476	17.8394	18.0377
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Constant								
Levels caused by simulation (UNLV update + r								
Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	422.733	427.842	432.333	437.242	442.559	447.762	453.011	458.294
Population (Thous)	672.917	682.095	693.322	706.365	716.71	726.865	736.733	746.432
GRP (Bil 92\$)	21.5417	22.109	22.5605	23.084	23.6231	24.1658	24.7126	25.2631
State & Local Gov Spending (Bil 92\$)	2.2319	2.2933	2.3379	2.3934	2.4392	2.4819	2.5213	2.5597
Real Disp Pers Inc (Bil 92\$)	16.8052	17.2196	17.6332	18.0776	18.505	18.9076	19.3017	19.7003
Residential Investment (Bil 92\$)	0.87857	0.87469	0.86215	0.86669	0.87065	0.87368	0.87831	0.88265
Opt Res Capital Stock (Bil 92\$)	25.1702	25.6536	26.0664	26.582	27.089	27.586	28.086	28.587
Act Res Capital Stock (Bil 92\$)	19.5249	20.0317	20.5201	21.005	21.4858	21.9625	22.4358	22.9053
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	23.8457	23.7884	23.8813	24.1103	24.3913	24.7218	25.0906	25.4692
Mining	7.51893	7.39926	7.10783	6.88485	6.68832	6.52575	6.37908	6.26757
Construction	26.4748	26.597	26.568	26.54	26.62	26.747	26.913	27.113
Trans./Public Util.	18.8016	18.8931	18.9606	18.9672	18.9951	19.0296	19.0676	19.104
Fin/Ins/Real Est	31.0317	31.3296	31.2496	31.3264	31.3977	31.4577	31.5065	31.554
Retail Trade	63.485	63.747	63.98	64.288	64.655	64.994	65.316	65.623
Wholesale Trade	16.8232	16.8182	16.7908	16.8215	16.8704	16.9242	16.9803	17.037
Services	169.846	173.382	176.912	180.347	183.976	187.625	191.267	194.913
Agri/For/Fish Serv	4.6015	4.6826	4.7854	4.9099	5.0353	5.1601	5.2838	5.4083
State and Local	48.506	49.488	50.358	51.302	52.168	52.828	53.458	54.074
Federal Civilian	5.242	5.201	5.241	5.274	5.305	5.325	5.342	5.356
Federal Military	2.611	2.655	2.674	2.692	2.708	2.722	2.734	2.745
Farm	3.945	3.859	3.82	3.782	3.744	3.707	3.67	3.633
Hotels	55.387	56.039	57.164	58.644	60.207	61.819	63.457	65.115
Amusem & Recr	15.9638	16.3235	16.5415	16.6833	16.8311	16.9671	17.0898	17.2043
Eating & Drinking	18.2302	18.4196	18.5702	18.7095	18.8817	19.0593	19.246	19.4432
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Constant</b>								
<b>Levels caused by simulation (UNLV update + r</b>								
<b>Rest of Nevada</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Employment (Thous)	463.334	468.027	472.509	476.507	480.178	483.473	486.462	489.273
Population (Thous)	755.97	765.392	774.775	784.102	793.427	802.803	812.357	822.101
GRP (Bil 92\$)	25.8006	26.3181	26.8271	27.3018	27.7556	28.1854	28.593	28.997
State & Local Gov Spending (Bil 92\$)	2.5971	2.6325	2.6683	2.7022	2.7344	2.7662	2.7976	2.8319
Real Disp Pers Inc (Bil 92\$)	20.0931	20.48	20.882	21.274	21.676	22.093	22.515	22.977
Residential Investment (Bil 92\$)	0.88549	0.8869	0.88836	0.88818	0.88984	0.89243	0.89501	0.89894
Opt Res Capital Stock (Bil 92\$)	29.07	29.538	29.997	30.441	30.887	31.342	31.786	32.24
Act Res Capital Stock (Bil 92\$)	23.3706	23.8292	24.281	24.727	25.166	25.601	26.032	26.459
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	25.8309	26.1704	26.4793	26.7459	26.9636	27.1363	27.2543	27.3389
Mining	6.15189	6.02596	5.93325	5.81306	5.72406	5.60447	5.49782	5.38689
Construction	27.311	27.493	27.672	27.821	27.961	28.093	28.2	28.313
Trans./Public Util.	19.1274	19.1316	19.1181	19.0816	19.0245	18.9426	18.8421	18.7304
Fin/Ins/Real Est	31.583	31.585	31.577	31.539	31.478	31.402	31.3	31.209
Retail Trade	65.878	66.067	66.211	66.284	66.299	66.283	66.2	66.115
Wholesale Trade	17.0786	17.0993	17.1067	17.08	17.035	16.9584	16.8562	16.736
Services	198.486	201.92	205.258	208.402	211.359	214.146	216.736	219.271
Agri/For/Fish Serv	5.5315	5.6492	5.766	5.8779	5.9852	6.091	6.1913	6.2937
State and Local	54.64	55.192	55.711	56.215	56.725	57.216	57.817	58.34
Federal Civilian	5.365	5.372	5.375	5.377	5.378	5.376	5.375	5.373
Federal Military	2.756	2.765	2.776	2.784	2.792	2.799	2.806	2.815
Farm	3.597	3.561	3.525	3.49	3.455	3.42	3.386	3.352
Hotels	66.773	68.401	70	71.543	73.013	74.414	75.743	77.04
Amusem & Recr	17.3054	17.3836	17.4519	17.4924	17.514	17.5174	17.5034	17.4882
Eating & Drinking	19.6387	19.8273	20.0127	20.1863	20.3505	20.5144	20.664	20.82
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Constant								
Levels caused by simulation (UNLV update + r								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	491.946	494.534	497.08	499.803	502.982	506.455	510.231	514.503
Population (Thous)	832.024	842.091	852.31	862.702	873.308	884.045	894.858	905.738
GRP (Bil 92\$)	29.38	29.76	30.137	30.528	30.961	31.407	31.883	32.393
State & Local Gov Spending (Bil 92\$)	2.867	2.9018	2.9364	2.9718	3.0126	3.0532	3.0947	3.1362
Real Disp Pers Inc (Bil 92\$)	23.451	23.95	24.46	24.989	25.568	26.145	26.731	27.33
Residential Investment (Bil 92\$)	0.90379	0.91188	0.92005	0.93126	0.94324	0.95529	0.96755	0.98359
Opt Res Capital Stock (Bil 92\$)	32.695	33.168	33.646	34.146	34.662	35.178	35.7	36.25
Act Res Capital Stock (Bil 92\$)	26.884	27.308	27.735	28.164	28.599	29.038	29.481	29.931
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	27.3784	27.395	27.4	27.416	27.448	27.509	27.61	27.761
Mining	5.29495	5.19263	5.09921	5.03198	4.96864	4.91015	4.85759	4.81198
Construction	28.423	28.534	28.653	28.802	28.99	29.197	29.423	29.711
Trans./Public Util.	18.606	18.4763	18.3443	18.2161	18.103	18.0034	17.9183	17.8566
Fin/Ins/Real Est	31.108	31.008	30.906	30.816	30.765	30.725	30.703	30.704
Retail Trade	66.018	65.916	65.802	65.708	65.664	65.645	65.629	65.675
Wholesale Trade	16.5904	16.4334	16.2636	16.0984	15.9411	15.7866	15.6413	15.512
Services	221.721	224.116	226.473	228.877	231.486	234.238	237.147	240.286
Agri/For/Fish Serv	6.3955	6.497	6.5982	6.7009	6.8114	6.9247	7.0409	7.1628
State and Local	58.894	59.476	60.062	60.686	61.369	62.088	62.839	63.616
Federal Civilian	5.373	5.374	5.375	5.377	5.381	5.388	5.397	5.407
Federal Military	2.824	2.834	2.843	2.853	2.868	2.882	2.897	2.912
Farm	3.319	3.286	3.253	3.22	3.188	3.156	3.125	3.093
Hotels	78.295	79.516	80.727	81.947	83.243	84.61	86.06	87.606
Amusem & Recr	17.4587	17.4233	17.3851	17.3461	17.3306	17.3164	17.3067	17.3096
Eating & Drinking	20.9765	21.1375	21.2995	21.4725	21.6693	21.8789	22.0967	22.3414
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Constant</b>					
<b>Levels caused by simulation (UNLV update + r</b>					
<b>Rest of Nevada</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	519.434	525.02	531.114	537.348	543.525
Population (Thous)	916.657	927.689	938.844	949.989	961.08
GRP (Bil 92\$)	32.951	33.566	34.209	34.865	35.52
State & Local Gov Spending (Bil 92\$)	3.1776	3.2236	3.2707	3.3178	3.3638
Real Disp Pers Inc (Bil 92\$)	27.965	28.652	29.361	30.074	30.771
Residential Investment (Bil 92\$)	1.00518	1.02939	1.05295	1.0755	1.09424
Opt Res Capital Stock (Bil 92\$)	36.853	37.485	38.132	38.787	39.427
Act Res Capital Stock (Bil 92\$)	30.396	30.874	31.368	31.875	32.391
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	27.97	28.219	28.517	28.834	29.164
Mining	4.79977	4.79556	4.79224	4.78367	4.77501
Construction	30.084	30.522	30.999	31.48	31.947
Trans./Public Util.	17.8161	17.7991	17.8035	17.8154	17.8248
Fin/Ins/Real Est	30.73	30.802	30.896	30.994	31.083
Retail Trade	65.816	66.04	66.322	66.6	66.834
Wholesale Trade	15.4129	15.3383	15.2745	15.217	15.1548
Services	243.675	247.385	251.346	255.408	259.482
Agri/For/Fish Serv	7.2931	7.4352	7.5838	7.7344	7.882
State and Local	64.425	65.277	66.165	67.065	67.969
Federal Civilian	5.418	5.429	5.441	5.453	5.465
Federal Military	2.928	2.947	2.967	2.987	3.006
Farm	3.062	3.032	3.001	2.971	2.942
Hotels	89.249	91.023	92.902	94.846	96.833
Amusem & Recr	17.3248	17.3616	17.4063	17.4455	17.4795
Eating & Drinking	22.6251	22.9459	23.293	23.648	23.997
<b>Migrants</b>					
Total Migrants	0.000	0.000	0.000	0.000	0.000



## Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands</b>								
<b>BASELINE LEVELS</b>								
<b>Rest of Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	377.324	384.363	389.7	395.995	401.35	406.777	412.135	417.434
Population (Thous)	571.791	585.842	599.235	616.259	629.127	641.404	652.039	662.448
GRP (Bil 2000\$)	19.80547	20.42672	21.061883	21.728606	22.370614	23.021092	23.673079	24.32936
State & Local Gov Spending (Bil 2000\$)	1.9950987	2.0411868	2.0965924	2.194489	2.2780905	2.3594061	2.4363357	2.5126851
Real Disp Pers Inc (Bil 2000\$)	15.570874	16.115995	16.595905	17.097978	17.557699	18.035637	18.505569	19.001376
Residential Investment (Bil 2000\$)	1.1258988	1.0831524	1.0527634	1.0482266	1.0376792	1.0309029	1.0246488	1.0221773
Opt Res Capital Stock (Bil 2000\$)	24.622574	25.086472	25.581583	26.24088	26.836359	27.435551	28.021052	28.619083
Act Res Capital Stock (Bil 2000\$)	17.407588	18.141123	18.833373	19.5125	20.170985	20.813689	21.439917	22.053497
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	23.7172	23.61951	23.5907	23.6312	23.7398	23.8178	23.8596	23.8727
Mining	11.033874	9.893871	9.17324	8.72781	8.37669	8.09562	7.86903	7.67608
Construction	26.7324	26.7413	26.2265	26.1015	26.1077	26.1606	26.233	26.3485
Trans./Public Util.	17.43483	17.6541	17.85778	18.08459	18.2644	18.429	18.5671	18.6945
Fin/Ins/Real Est	27.751	28.3222	28.8668	29.3266	29.6863	30.0391	30.3745	30.7062
Retail Trade	58.7253	60.6216	61.5711	62.1667	62.392	62.6386	62.9068	63.207
Wholesale Trade	16.41313	16.51913	16.57482	16.6554	16.7158	16.7626	16.7936	16.8161
Services	139.7764	144.1927	148.277	152.157	155.603	159.122	162.691	166.276
Agri/For/Fish Serv	3.80863	3.94001	4.04879	4.15239	4.24849	4.33993	4.42776	4.5161
State and Local	39.4935	40.424	41.225	42.786	44.088	45.325	46.447	47.439
Federal Civilian	5.515	5.538	5.481	5.442	5.403	5.364	5.324	5.283
Federal Military	2.304	2.358	2.35	2.393	2.435	2.478	2.521	2.566
Farm	4.62	4.539	4.457	4.372	4.289	4.204	4.12	4.033
Hotels	48.09657	49.352	50.4986	51.465	52.3003	53.1307	53.937	54.6866
Amusem & Recr	12.66224	13.22353	13.73986	14.15503	14.53153	14.8951	15.2574	15.6109
Eating & Drinking	16.27669	16.72205	17.06579	17.29177	17.4668	17.6476	17.8394	18.0377
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0



# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Constant								
BASELINE LEVELS								
Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	422.733	427.842	432.333	437.242	442.559	447.762	453.011	458.294
Population (Thous)	672.917	682.095	693.322	706.365	716.71	726.865	736.733	746.432
GRP (Bil 2000\$)	24.995387	25.653639	26.177526	26.784957	27.410488	28.040197	28.674663	29.313422
State & Local Gov Spending (Bil 2000\$)	2.5897308	2.6609748	2.7127253	2.7771234	2.8302663	2.8798122	2.925529	2.9700855
Real Disp Pers Inc (Bil 2000\$)	19.499504	19.980343	20.460254	20.975903	21.471826	21.938973	22.396257	22.858763
Residential Investment (Bil 2000\$)	1.0194273	1.0149252	1.0003747	1.0056426	1.0102375	1.0137533	1.0191256	1.0241614
Opt Res Capital Stock (Bil 2000\$)	29.205628	29.766529	30.245512	30.843776	31.432061	32.008743	32.588906	33.170229
Act Res Capital Stock (Bil 2000\$)	22.655242	23.243295	23.809998	24.37264	24.930524	25.483652	26.032834	26.577607
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	23.8457	23.7884	23.8813	24.1103	24.3913	24.7218	25.0906	25.4692
Mining	7.51893	7.39926	7.10783	6.88485	6.68832	6.52575	6.37908	6.26757
Construction	26.4748	26.597	26.568	26.54	26.62	26.747	26.913	27.113
Trans./Public Util.	18.8016	18.8931	18.9606	18.9672	18.9951	19.0296	19.0676	19.104
Fin/Ins/Real Est	31.0317	31.3296	31.2496	31.3264	31.3977	31.4577	31.5065	31.554
Retail Trade	63.485	63.747	63.98	64.288	64.655	64.994	65.316	65.623
Wholesale Trade	16.8232	16.8182	16.7908	16.8215	16.8704	16.9242	16.9803	17.037
Services	169.846	173.382	176.912	180.347	183.976	187.625	191.267	194.913
Agri/For/Fish Serv	4.6015	4.6826	4.7854	4.9099	5.0353	5.1601	5.2838	5.4083
State and Local	48.506	49.488	50.358	51.302	52.168	52.828	53.458	54.074
Federal Civilian	5.242	5.201	5.241	5.274	5.305	5.325	5.342	5.356
Federal Military	2.611	2.655	2.674	2.692	2.708	2.722	2.734	2.745
Farm	3.945	3.859	3.82	3.782	3.744	3.707	3.67	3.633
Hotels	55.387	56.039	57.164	58.644	60.207	61.819	63.457	65.115
Amusem & Recr	15.9638	16.3235	16.5415	16.6833	16.8311	16.9671	17.0898	17.2043
Eating & Drinking	18.2302	18.4196	18.5702	18.7095	18.8817	19.0593	19.246	19.4432
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Constant								
BASELINE LEVELS								
Rest of Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	463.334	468.027	472.509	476.507	480.178	483.473	486.462	489.273
Population (Thous)	755.97	765.392	774.775	784.102	793.427	802.803	812.357	822.101
GRP (Bil 2000\$)	29.937097	30.537566	31.128172	31.678978	32.205534	32.704242	33.177191	33.645962
State & Local Gov Spending (Bil 2000\$)	3.0134817	3.0545572	3.0960969	3.1354319	3.1727944	3.2096927	3.246127	3.2859261
Real Disp Pers Inc (Bil 2000\$)	23.314539	23.763469	24.22992	24.684767	25.151218	25.635074	26.124731	26.660802
Residential Investment (Bil 2000\$)	1.0274567	1.0290928	1.0307869	1.030578	1.0325042	1.0355094	1.038503	1.0430631
Opt Res Capital Stock (Bil 2000\$)	33.730666	34.273698	34.806288	35.321472	35.838978	36.366926	36.88211	37.408898
Act Res Capital Stock (Bil 2000\$)	27.117506	27.649631	28.173867	28.691372	29.200755	29.705496	30.205597	30.701056
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	25.8309	26.1704	26.4793	26.7459	26.9636	27.1363	27.2543	27.3389
Mining	6.15189	6.02596	5.93325	5.81306	5.72406	5.60447	5.49782	5.38689
Construction	27.311	27.493	27.672	27.821	27.961	28.093	28.2	28.313
Trans./Public Util.	19.1274	19.1316	19.1181	19.0816	19.0245	18.9426	18.8421	18.7304
Fin/Ins/Real Est	31.583	31.585	31.577	31.539	31.478	31.402	31.3	31.209
Retail Trade	65.878	66.067	66.211	66.284	66.299	66.283	66.2	66.115
Wholesale Trade	17.0786	17.0993	17.1067	17.08	17.035	16.9584	16.8562	16.736
Services	198.486	201.92	205.258	208.402	211.359	214.146	216.736	219.271
Agri/For/Fish Serv	5.5315	5.6492	5.766	5.8779	5.9852	6.091	6.1913	6.2937
State and Local	54.64	55.192	55.711	56.215	56.725	57.216	57.817	58.34
Federal Civilian	5.365	5.372	5.375	5.377	5.378	5.376	5.375	5.373
Federal Military	2.756	2.765	2.776	2.784	2.792	2.799	2.806	2.815
Farm	3.597	3.561	3.525	3.49	3.455	3.42	3.386	3.352
Hotels	66.773	68.401	70	71.543	73.013	74.414	75.743	77.04
Amusem & Recr	17.3054	17.3836	17.4519	17.4924	17.514	17.5174	17.5034	17.4882
Eating & Drinking	19.6387	19.8273	20.0127	20.1863	20.3505	20.5144	20.664	20.82
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Constant								
BASELINE LEVELS								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	491.946	494.534	497.08	499.803	502.982	506.455	510.231	514.503
Population (Thous)	832.024	842.091	852.31	862.702	873.308	884.045	894.858	905.738
GRP (Bil 2000\$)	34.090367	34.531291	34.968733	35.422421	35.924842	36.442347	36.994662	37.586428
State & Local Gov Spending (Bil 2000\$)	3.3266536	3.3670329	3.4071802	3.4482557	3.495597	3.5427062	3.5908597	3.6390132
Real Disp Pers Inc (Bil 2000\$)	27.210796	27.789799	28.381565	28.995377	29.667206	30.336713	31.016664	31.711699
Residential Investment (Bil 2000\$)	1.0486907	1.0580777	1.0675576	1.0805648	1.0944655	1.1084475	1.1226731	1.1412847
Opt Res Capital Stock (Bil 2000\$)	37.936846	38.48568	39.040316	39.620479	40.219207	40.817935	41.423625	42.061804
Act Res Capital Stock (Bil 2000\$)	31.194194	31.686172	32.181631	32.679411	33.184153	33.693536	34.20756	34.729706
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0	0	0	0
Manufacturing	27.3784	27.395	27.4	27.416	27.448	27.509	27.61	27.761
Mining	5.29495	5.19263	5.09921	5.03198	4.96864	4.91015	4.85759	4.81198
Construction	28.423	28.534	28.653	28.802	28.99	29.197	29.423	29.711
Trans./Public Util.	18.606	18.4763	18.3443	18.2161	18.103	18.0034	17.9183	17.8566
Fin/Ins/Real Est	31.108	31.008	30.906	30.816	30.765	30.725	30.703	30.704
Retail Trade	66.018	65.916	65.802	65.708	65.664	65.645	65.629	65.675
Wholesale Trade	16.5904	16.4334	16.2636	16.0984	15.9411	15.7866	15.6413	15.512
Services	221.721	224.116	226.473	228.877	231.486	234.238	237.147	240.286
Agri/For/Fish Serv	6.3955	6.497	6.5982	6.7009	6.8114	6.9247	7.0409	7.1628
State and Local	58.894	59.476	60.062	60.686	61.369	62.088	62.839	63.616
Federal Civilian	5.373	5.374	5.375	5.377	5.381	5.388	5.397	5.407
Federal Military	2.824	2.834	2.843	2.853	2.868	2.882	2.897	2.912
Farm	3.319	3.286	3.253	3.22	3.188	3.156	3.125	3.093
Hotels	78.295	79.516	80.727	81.947	83.243	84.61	86.06	87.606
Amusem & Recr	17.4587	17.4233	17.3851	17.3461	17.3306	17.3164	17.3067	17.3096
Eating & Drinking	20.9765	21.1375	21.2995	21.4725	21.6693	21.8789	22.0967	22.3414
<b>Migrants</b>								
Total Migrants	0	0	0	0	0	0	0	0

# Attachment 8. Implementing Alternative Baseline, Rest of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Constant					
BASELINE LEVELS					
Rest of Nevada	2031	2032	2033	2034	2035
Employment (Thous)	519.434	525.02	531.114	537.348	543.525
Population (Thous)	916.657	927.689	938.844	949.989	961.08
GRP (Bil 2000\$)	38.23389	38.94749	39.693579	40.454753	41.214766
State & Local Gov Spending (Bil 2000\$)	3.6870507	3.7404257	3.795077	3.8497284	3.9031033
Real Disp Pers Inc (Bil 2000\$)	32.448506	33.24565	34.068321	34.895633	35.70438
Residential Investment (Bil 2000\$)	1.1663361	1.1944276	1.2217649	1.2479302	1.2696747
Opt Res Capital Stock (Bil 2000\$)	42.76148	43.494806	44.245537	45.00555	45.748158
Act Res Capital Stock (Bil 2000\$)	35.269258	35.823893	36.397094	36.985379	37.584107
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 2000\$)	0	0	0	0	0
Manufacturing	27.97	28.219	28.517	28.834	29.164
Mining	4.79977	4.79556	4.79224	4.78367	4.77501
Construction	30.084	30.522	30.999	31.48	31.947
Trans./Public Util.	17.8161	17.7991	17.8035	17.8154	17.8248
Fin/Ins/Real Est	30.73	30.802	30.896	30.994	31.083
Retail Trade	65.816	66.04	66.322	66.6	66.834
Wholesale Trade	15.4129	15.3383	15.2745	15.217	15.1548
Services	243.675	247.385	251.346	255.408	259.482
Agri/For/Fish Serv	7.2931	7.4352	7.5838	7.7344	7.882
State and Local	64.425	65.277	66.165	67.065	67.969
Federal Civilian	5.418	5.429	5.441	5.453	5.465
Federal Military	2.928	2.947	2.967	2.987	3.006
Farm	3.062	3.032	3.001	2.971	2.942
Hotels	89.249	91.023	92.902	94.846	96.833
Amusem & Recr	17.3248	17.3616	17.4063	17.4455	17.4795
Eating & Drinking	22.6251	22.9459	23.293	23.648	23.997
<b>Migrants</b>					
Total Migrants	0	0	0	0	0

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Total Emp (Thous)	1194.865	1222.154	1241.825	1260.373	1277.642	1295.601	1314.445	1333.598
Population (Thous)	1823.789	1901.668	1973.114	2040.265	2102.902	2161.863	2217.833	2271.257
GRP (Bil 92\$)	53.261	54.94	56.579	58.082	59.6	61.153	62.749	64.368
State & Local Gov Spending (Bil 92\$)	5.052	5.257	5.473	5.754	6.026	6.292	6.552	6.808
Real Disp Pers Inc (Bil 92\$)	40.675	42.506	44.084	45.526	46.955	48.429	49.928	51.478
Residential Investment (Bil 92\$)	3.588	3.485	3.392	3.333	3.285	3.248	3.225	3.209
Opt Res Capital Stock (Bil 92\$)	68.767	70.77	72.706	74.772	76.82	78.87	80.953	83.035
Act Res Capital Stock (Bil 92\$)	44.657	47.35	49.911	52.373	54.749	57.05	59.292	61.483
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	45.569	45.394	45.317	45.314	45.45	45.547	45.602	45.625
Mining	13.764	12.4	11.541	11.013	10.599	10.268	10.002	9.777
Construction	104.924	105.562	103.535	102.284	101.863	101.654	101.692	101.889
Trans./Public Util.	57.939	58.912	59.806	60.686	61.437	62.148	62.814	63.468
Fin/Ins/Real Est	89.333	90.774	92.088	92.938	93.677	94.436	95.241	96.058
Retail Trade	194.219	201.111	204.612	206.512	207.422	208.463	209.717	211.06
Wholesale Trade	40.421	40.888	41.201	41.479	41.726	41.937	42.123	42.29
Services	506.249	520.93	534.325	546.35	557.467	569.137	581.368	593.815
Agri/For/Fish Serv	12.836	13.219	13.509	13.747	13.99	14.238	14.49	14.749
State and Local	98.709	101.833	105.037	109.185	113.135	116.887	120.498	123.96
Federal Civilian	14.159	14.217	14.072	13.971	13.872	13.77	13.669	13.564
Federal Military	11.331	11.595	11.558	11.769	11.976	12.188	12.399	12.618
Farm	5.415	5.32	5.223	5.124	5.027	4.927	4.829	4.727
Hotels	222.531	227.458	231.833	235.464	238.757	242.284	245.963	249.598
Amusem & Recr	35.29	36.838	38.273	39.384	40.389	41.352	42.316	43.254
Eating & Drinking	63.679	65.655	67.059	67.91	68.609	69.36	70.197	71.064
<b>Migrants</b>								
Total Migrants								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Total Emp (Thous)	1352.83	1371.972	1390.049	1408.926	1429.844	1450.38	1471.007	1491.899
Population (Thous)	2322.314	2371.195	2418.506	2465.56	2512.873	2559.89	2606.208	2651.864
GRP (Bil 92\$)	66.003	67.638	68.978	70.517	72.141	73.749	75.359	76.985
State & Local Gov Spending (Bil 92\$)	7.059	7.306	7.47	7.651	7.83	8	8.161	8.319
Real Disp Pers Inc (Bil 92\$)	53.036	54.571	56.072	57.628	59.201	60.653	62.077	63.524
Residential Investment (Bil 92\$)	3.196	3.184	3.139	3.14	3.157	3.161	3.17	3.183
Opt Res Capital Stock (Bil 92\$)	85.09	87.1	88.824	90.821	92.903	94.877	96.859	98.853
Act Res Capital Stock (Bil 92\$)	63.626	65.723	67.744	69.733	71.707	73.653	75.577	77.484
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	45.591	45.513	45.652	46.067	46.593	47.204	47.881	48.582
Mining	9.595	9.46	9.108	8.834	8.597	8.401	8.226	8.092
Construction	102.199	102.572	102.509	102.318	102.764	103.298	103.986	104.825
Trans./Public Util.	64.085	64.673	65.291	65.757	66.286	66.819	67.351	67.88
Fin/Ins/Real Est	96.874	97.664	97.282	97.299	97.393	97.431	97.433	97.441
Retail Trade	212.42	213.753	215.178	216.813	218.688	220.305	221.846	223.357
Wholesale Trade	42.428	42.54	42.581	42.775	43.017	43.249	43.477	43.699
Services	606.415	619.066	632.669	646.289	660.729	675.211	689.733	704.372
Agri/For/Fish Serv	15.004	15.262	15.6	16.004	16.429	16.842	17.256	17.676
State and Local	127.299	130.537	133.095	135.558	138.022	140.219	142.36	144.468
Federal Civilian	13.458	13.353	13.455	13.541	13.62	13.671	13.715	13.751
Federal Military	12.838	13.056	13.152	13.238	13.319	13.386	13.444	13.5
Farm	4.624	4.522	4.477	4.432	4.388	4.344	4.301	4.258
Hotels	253.176	256.674	262.403	269.719	277.389	285.257	293.247	301.361
Amusem & Recr	44.193	45.159	45.765	46.16	46.57	46.944	47.283	47.6
Eating & Drinking	71.942	72.819	73.613	74.364	75.226	76.049	76.899	77.791
<b>Migrants</b>								
Total Migrants								

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Total Emp (Thous)	1512.365	1532.002	1551.21	1569.017	1585.672	1600.977	1615.285	1629.313
Population (Thous)	2696.825	2741.175	2785.152	2828.807	2872.301	2915.883	2960.117	3005.327
GRP (Bil 92\$)	78.582	80.128	81.667	83.104	84.483	85.789	87.038	88.298
State & Local Gov Spending (Bil 92\$)	8.473	8.62	8.769	8.909	9.046	9.18	9.313	9.457
Real Disp Pers Inc (Bil 92\$)	64.967	66.404	67.904	69.368	70.857	72.357	73.903	75.574
Residential Investment (Bil 92\$)	3.194	3.203	3.214	3.218	3.225	3.231	3.241	3.256
Opt Res Capital Stock (Bil 92\$)	100.814	102.737	104.658	106.51	108.355	110.166	111.99	113.835
Act Res Capital Stock (Bil 92\$)	79.371	81.236	83.083	84.904	86.704	88.48	90.238	91.982
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	49.262	49.905	50.508	51.038	51.491	51.869	52.154	52.389
Mining	7.953	7.8	7.688	7.541	7.432	7.284	7.153	7.018
Construction	105.716	106.585	107.473	108.247	108.958	109.597	110.203	110.823
Trans./Public Util.	68.377	68.822	69.224	69.549	69.796	69.972	70.079	70.155
Fin/Ins/Real Est	97.406	97.3	97.181	96.972	96.697	96.356	95.952	95.593
Retail Trade	224.76	225.979	227.107	227.979	228.635	229.082	229.39	229.673
Wholesale Trade	43.885	44.022	44.126	44.145	44.108	43.994	43.813	43.587
Services	718.925	733.138	747.184	760.626	773.44	785.59	797.127	808.432
Agri/For/Fish Serv	18.094	18.503	18.913	19.307	19.689	20.058	20.419	20.785
State and Local	146.445	148.383	150.226	152.027	153.84	155.599	157.428	159.294
Federal Civilian	13.773	13.792	13.798	13.803	13.806	13.802	13.8	13.793
Federal Military	13.553	13.6	13.651	13.692	13.731	13.765	13.798	13.844
Farm	4.215	4.173	4.131	4.09	4.049	4.009	3.969	3.929
Hotels	309.531	317.641	325.707	333.581	341.197	348.544	355.592	362.473
Amusem & Recr	47.884	48.113	48.314	48.441	48.518	48.539	48.514	48.484
Eating & Drinking	78.697	79.584	80.485	81.332	82.138	82.901	83.643	84.406
<b>Migrants</b>								
Total Migrants								



## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>								
<b>All Nevada</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Total Emp (Thous)	1642.585	1655.405	1668	1681.338	1696.69	1713.072	1730.55	1749.571
Population (Thous)	3051.48	3098.508	3146.46	3195.52	3246	3297.741	3350.42	3403.92
GRP (Bil 92\$)	89.493	90.675	91.852	93.08	94.466	95.884	97.393	98.991
State & Local Gov Spending (Bil 92\$)	9.602	9.75	9.899	10.05	10.222	10.395	10.574	10.753
Real Disp Pers Inc (Bil 92\$)	77.262	79.014	80.807	82.702	84.837	86.995	89.218	91.504
Residential Investment (Bil 92\$)	3.268	3.286	3.31	3.35	3.41	3.472	3.538	3.615
Opt Res Capital Stock (Bil 92\$)	115.642	117.479	119.348	121.346	123.509	125.71	127.987	130.38
Act Res Capital Stock (Bil 92\$)	93.71	95.429	97.142	98.868	100.625	102.415	104.241	106.114
Exog Emp (Thous)	0	0	0	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0	0	0	0
Manufacturing	52.543	52.665	52.768	52.887	53.056	53.272	53.559	53.934
Mining	6.901	6.774	6.657	6.573	6.495	6.422	6.359	6.305
Construction	111.377	111.907	112.475	113.215	114.224	115.333	116.552	117.992
Trans./Public Util.	70.198	70.204	70.197	70.213	70.305	70.444	70.634	70.884
Fin/Ins/Real Est	95.188	94.786	94.374	94.017	93.801	93.633	93.523	93.478
Retail Trade	229.834	229.908	229.95	230.141	230.67	231.322	232.038	232.963
Wholesale Trade	43.29	42.955	42.58	42.218	41.884	41.551	41.242	40.964
Services	819.283	829.814	840.159	850.645	861.984	873.832	886.249	899.408
Agri/For/Fish Serv	21.142	21.495	21.849	22.216	22.62	23.036	23.465	23.915
State and Local	161.258	163.313	165.397	167.603	170	172.525	175.166	177.9
Federal Civilian	13.793	13.797	13.798	13.804	13.814	13.832	13.856	13.882
Federal Military	13.888	13.935	13.982	14.031	14.102	14.171	14.246	14.321
Farm	3.89	3.851	3.812	3.774	3.736	3.699	3.662	3.625
Hotels	369.132	375.594	381.952	388.293	394.918	401.784	408.953	416.5
Amusem & Recr	48.413	48.323	48.223	48.125	48.098	48.076	48.07	48.096
Eating & Drinking	85.141	85.87	86.608	87.422	88.394	89.432	90.525	91.725
<b>Migrants</b>								
Total Migrants								



## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>Adjusted Regional Control Levels (after DETR update)</b>					
<b>All Nevada</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Total Emp (Thous)	1770.707	1794.37	1819.622	1845.49	1871.372
Population (Thous)	3458.097	3513.295	3569.449	3626.25	3683.354
GRP (Bil 92\$)	100.721	102.636	104.621	106.642	108.656
State & Local Gov Spending (Bil 92\$)	10.936	11.136	11.342	11.55	11.756
Real Disp Pers Inc (Bil 92\$)	93.917	96.554	99.277	102.038	104.782
Residential Investment (Bil 92\$)	3.713	3.823	3.932	4.039	4.135
Opt Res Capital Stock (Bil 92\$)	132.973	135.733	138.563	141.442	144.317
Act Res Capital Stock (Bil 92\$)	108.053	110.068	112.16	114.322	116.544
Exog Emp (Thous)	0	0	0	0	0
Exog Prod (Bil 92\$)	0	0	0	0	0
Manufacturing	54.42	54.992	55.644	56.333	57.045
Mining	6.291	6.289	6.287	6.281	6.275
Construction	119.755	121.822	124.03	126.275	128.508
Trans./Public Util.	71.227	71.673	72.178	72.71	73.25
Fin/Ins/Real Est	93.504	93.679	93.917	94.17	94.4
Retail Trade	234.217	235.836	237.659	239.488	241.206
Wholesale Trade	40.762	40.623	40.509	40.408	40.3
Services	913.495	928.822	945.013	961.621	978.342
Agri/For/Fish Serv	24.397	24.922	25.47	26.025	26.577
State and Local	180.744	183.73	186.84	190.007	193.207
Federal Civilian	13.91	13.937	13.969	14.001	14.031
Federal Military	14.397	14.492	14.59	14.689	14.783
Farm	3.589	3.553	3.518	3.482	3.448
Hotels	424.439	432.931	441.861	451.054	460.416
Amusem & Recr	48.153	48.271	48.413	48.543	48.657
Eating & Drinking	93.081	94.62	96.269	97.956	99.631
<b>Migrants</b>					
Total Migrants					

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DEVELOPMENT OF THE BASELINE								
CHANGES								
Changes caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment								
All Nevada	1999	2000	2001	2002	2003	2004	2005	2006
Employment (Thous)	7.167	18.000	20.170	25.100	29.440	33.570	37.140	39.480
Population (Thous)	50.880	96.590	114.300	132.900	146.300	157.300	164.900	170.100
GRP (Bil 92\$)	0.367	0.840	0.921	1.122	1.294	1.457	1.595	1.682
State & Local Gov Spending (Bil 92\$)	0.138	0.260	0.248	0.307	0.351	0.390	0.420	0.393
Real Disp Pers Inc (Bil 92\$)	0.409	0.837	0.957	1.176	1.358	1.533	1.685	1.803
Residential Investment (Bil 92\$)	0.089	0.170	0.172	0.196	0.209	0.219	0.223	0.219
Opt Res Capital Stock (Bil 92\$)	0.703	1.427	1.610	1.960	2.249	2.524	2.758	2.931
Act Res Capital Stock (Bil 92\$)	0.089	0.258	0.426	0.614	0.813	1.019	1.225	1.424
Exog Emp (Thous)	0.000	2.492	2.714	2.751	2.781	2.804	2.822	3.222
Exog Prod (Bil 92\$)	0.000	0.127	0.148	0.154	0.159	0.164	0.167	0.206
Manufacturing	0.097	0.231	0.317	0.429	0.541	0.649	0.747	0.837
Mining	0.008	-0.043	-0.096	-0.038	0.006	0.043	0.072	0.098
Construction	1.138	2.395	2.811	3.219	3.534	3.815	4.015	4.373
Trans./Public Util.	0.126	0.322	0.396	0.535	0.666	0.794	0.911	1.002
Fin/Ins/Real Est	0.651	1.287	1.423	1.691	1.903	2.101	2.263	2.381
Retail Trade	0.621	1.648	1.950	2.630	3.262	3.895	4.479	4.966
Wholesale Trade	0.102	0.257	0.307	0.408	0.504	0.603	0.695	0.778
Services	1.617	6.638	7.992	10.030	11.990	13.910	15.670	17.250
Agri/For/Fish Serv	0.092	0.218	0.249	0.308	0.361	0.412	0.456	0.490
State and Local	2.716	5.070	4.847	5.920	6.703	7.370	7.850	7.326
Federal Civilian	0.000	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	0.386	3.483	4.129	5.118	6.138	7.131	8.044	8.847
Amusem & Recr	0.041	0.124	0.167	0.241	0.315	0.389	0.459	0.521
Eating & Drinking	0.079	0.300	0.364	0.543	0.725	0.914	1.096	1.250
<b>Changes in Migrants</b>								
Total Migrants								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
All Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	42.210	44.330	46.470	48.360	50.320	51.050	51.580	51.960
Population (Thous)	174.300	176.800	181.200	185.900	187.100	187.800	187.900	187.200
GRP (Bil 92\$)	1.789	1.871	1.956	2.038	2.118	2.145	2.164	2.177
State & Local Gov Spending (Bil 92\$)	0.414	0.431	0.447	0.467	0.532	0.537	0.540	0.541
Real Disp Pers Inc (Bil 92\$)	1.933	2.037	2.157	2.276	2.375	2.431	2.477	2.517
Residential Investment (Bil 92\$)	0.218	0.213	0.209	0.207	0.202	0.190	0.178	0.166
Opt Res Capital Stock (Bil 92\$)	3.120	3.267	3.424	3.584	3.718	3.786	3.841	3.885
Act Res Capital Stock (Bil 92\$)	1.620	1.806	1.986	2.161	2.329	2.481	2.620	2.744
Exog Emp (Thous)	3.232	3.238	3.268	3.283	2.862	2.859	2.857	2.854
Exog Prod (Bil 92\$)	0.209	0.211	0.220	0.227	0.189	0.190	0.191	0.192
Manufacturing	0.911	0.970	1.027	1.085	1.130	1.173	1.213	1.250
Mining	0.119	0.134	0.170	0.200	0.202	0.204	0.206	0.208
Construction	4.485	4.526	4.599	4.622	4.327	4.222	4.108	3.988
Trans./Public Util.	1.097	1.172	1.247	1.311	1.371	1.404	1.430	1.452
Fin/Ins/Real Est	2.504	2.593	2.674	2.755	2.802	2.811	2.811	2.806
Retail Trade	5.459	5.852	6.231	6.563	6.851	7.002	7.115	7.201
Wholesale Trade	0.857	0.921	0.982	1.036	1.078	1.104	1.124	1.137
Services	18.650	19.770	20.840	21.760	22.430	22.950	23.370	23.740
Agri/For/Fish Serv	0.524	0.552	0.581	0.609	0.635	0.648	0.660	0.669
State and Local	7.640	7.863	8.139	8.445	9.518	9.564	9.571	9.540
Federal Civilian	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	9.519	10.050	10.530	10.940	11.260	11.500	11.680	11.830
Amusem & Recr	0.582	0.634	0.679	0.715	0.747	0.765	0.779	0.792
Eating & Drinking	1.413	1.549	1.673	1.780	1.885	1.944	1.994	2.038
Changes in Migrants								
Total Migrants								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
All Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	52.240	52.400	52.530	52.490	52.360	52.130	52.450	51.940
Population (Thous)	186.100	184.500	182.500	180.100	177.500	174.600	171.300	167.600
GRP (Bil 92\$)	2.187	2.191	2.196	2.193	2.186	2.177	2.195	2.176
State & Local Gov Spending (Bil 92\$)	0.540	0.537	0.532	0.526	0.519	0.511	0.555	0.545
Real Disp Pers Inc (Bil 92\$)	2.550	2.576	2.601	2.614	2.623	2.628	2.650	2.653
Residential Investment (Bil 92\$)	0.155	0.144	0.133	0.122	0.112	0.102	0.096	0.087
Opt Res Capital Stock (Bil 92\$)	3.918	3.938	3.954	3.951	3.940	3.924	3.932	3.905
Act Res Capital Stock (Bil 92\$)	2.855	2.953	3.039	3.112	3.174	3.226	3.271	3.306
Exog Emp (Thous)	2.852	2.850	2.848	2.847	2.845	2.843	2.447	2.447
Exog Prod (Bil 92\$)	0.193	0.194	0.195	0.196	0.197	0.198	0.160	0.161
Manufacturing	1.286	1.320	1.351	1.379	1.403	1.423	1.433	1.441
Mining	0.210	0.212	0.214	0.216	0.218	0.219	0.220	0.221
Construction	3.868	3.746	3.633	3.512	3.393	3.281	2.942	2.831
Trans./Public Util.	1.470	1.484	1.497	1.503	1.506	1.504	1.512	1.501
Fin/Ins/Real Est	2.796	2.781	2.766	2.743	2.716	2.685	2.662	2.623
Retail Trade	7.260	7.296	7.328	7.326	7.303	7.270	7.260	7.206
Wholesale Trade	1.147	1.152	1.157	1.157	1.155	1.151	1.146	1.137
Services	24.070	24.370	24.650	24.860	25.020	25.110	25.100	25.010
Agri/For/Fish Serv	0.677	0.684	0.690	0.694	0.696	0.697	0.702	0.699
State and Local	9.477	9.387	9.269	9.129	8.977	8.810	9.499	9.294
Federal Civilian	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	11.960	12.090	12.200	12.300	12.370	12.410	12.400	12.330
Amusem & Recr	0.804	0.813	0.822	0.827	0.830	0.831	0.832	0.828
Eating & Drinking	2.075	2.107	2.138	2.159	2.175	2.188	2.212	2.219
Changes in Migrants								
Total Migrants								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE\								
CHANGES								
Changes caused by simulation (UNLV up								
All Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	51.230	50.380	49.390	48.270	47.100	45.800	44.400	43.030
Population (Thous)	163.500	159.100	154.500	149.600	144.600	139.500	134.300	129.100
GRP (Bil 92\$)	2.148	2.115	2.077	2.034	1.990	1.940	1.887	1.836
State & Local Gov Spending (Bil 92\$)	0.533	0.520	0.507	0.493	0.479	0.464	0.450	0.435
Real Disp Pers Inc (Bil 92\$)	2.647	2.638	2.627	2.612	2.602	2.586	2.567	2.558
Residential Investment (Bil 92\$)	0.078	0.068	0.060	0.052	0.046	0.039	0.033	0.029
Opt Res Capital Stock (Bil 92\$)	3.863	3.816	3.765	3.710	3.658	3.598	3.534	3.486
Act Res Capital Stock (Bil 92\$)	3.331	3.346	3.353	3.352	3.344	3.330	3.310	3.287
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 92\$)	0.162	0.164	0.165	0.166	0.168	0.169	0.171	0.173
Manufacturing	1.441	1.437	1.427	1.414	1.398	1.379	1.358	1.337
Mining	0.221	0.222	0.222	0.223	0.223	0.223	0.223	0.223
Construction	2.710	2.586	2.465	2.341	2.225	2.103	1.977	1.872
Trans./Public Util.	1.485	1.463	1.437	1.407	1.376	1.341	1.303	1.266
Fin/Ins/Real Est	2.574	2.522	2.466	2.405	2.347	2.284	2.219	2.158
Retail Trade	7.126	7.031	6.924	6.805	6.691	6.561	6.417	6.296
Wholesale Trade	1.123	1.105	1.084	1.059	1.034	1.005	0.974	0.944
Services	24.810	24.520	24.130	23.640	23.100	22.460	21.760	21.040
Agri/For/Fish Serv	0.694	0.686	0.677	0.666	0.654	0.640	0.625	0.610
State and Local	9.068	8.833	8.589	8.335	8.082	7.825	7.567	7.312
Federal Civilian	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
Federal Military	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hotels	12.200	12.010	11.750	11.440	11.060	10.640	10.160	9.644
Amusem & Recr	0.820	0.810	0.798	0.783	0.769	0.753	0.735	0.719
Eating & Drinking	2.218	2.212	2.202	2.188	2.176	2.158	2.135	2.120
Changes in Migrants								
Total Migrants								

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

THE FOLLOWING IS THE DE\					
CHANGES					
Changes caused by simulation (UNLV up					
All Nevada	2031	2032	2033	2034	2035
Employment (Thous)	41.680	40.330	38.940	37.500	36.070
Population (Thous)	124.000	119.000	114.100	109.200	104.200
GRP (Bil 92\$)	1.788	1.741	1.693	1.642	1.593
State & Local Gov Spending (Bil 92\$)	0.420	0.407	0.393	0.380	0.366
Real Disp Pers Inc (Bil 92\$)	2.558	2.564	2.571	2.577	2.589
Residential Investment (Bil 92\$)	0.028	0.027	0.027	0.027	0.027
Opt Res Capital Stock (Bil 92\$)	3.453	3.426	3.400	3.372	3.354
Act Res Capital Stock (Bil 92\$)	3.262	3.238	3.214	3.189	3.166
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 92\$)	0.174	0.176	0.177	0.179	0.181
Manufacturing	1.316	1.295	1.273	1.249	1.225
Mining	0.224	0.224	0.225	0.225	0.225
Construction	1.785	1.704	1.620	1.532	1.452
Trans./Public Util.	1.230	1.195	1.158	1.120	1.083
Fin/Ins/Real Est	2.100	2.046	1.991	1.935	1.881
Retail Trade	6.194	6.098	6.000	5.893	5.796
Wholesale Trade	0.914	0.885	0.854	0.823	0.791
Services	20.280	19.490	18.670	17.820	16.960
Agri/For/Fish Serv	0.597	0.583	0.570	0.555	0.540
State and Local	7.068	6.832	6.599	6.370	6.139
Federal Civilian	-0.025	-0.025	-0.025	-0.025	-0.025
Federal Military	0.000	0.000	0.000	0.000	0.000
Farm	0.000	0.000	0.000	0.000	0.000
Hotels	9.085	8.492	7.870	7.225	6.563
Amusem & Recr	0.704	0.689	0.674	0.659	0.645
Eating & Drinking	2.111	2.104	2.097	2.085	2.078
Changes in Migrants					
Total Migrants					

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Constant Dollars</b>								
<b>Levels caused by simulation (UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment</b>								
<b>Rest of Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	1202.032	1240.154	1261.995	1285.473	1307.082	1329.171	1351.585	1373.078
Population (Thous)	1874.669	1998.258	2087.414	2173.165	2249.202	2319.163	2382.733	2441.357
GRP (Bil 92\$)	53.6283	55.7804	57.4997	59.204	60.894	62.61	64.344	66.05
State & Local Gov Spending (Bil 92\$)	5.1899	5.5169	5.7207	6.0605	6.3771	6.6824	6.9722	7.2014
Real Disp Pers Inc (Bil 92\$)	41.0837	43.3432	45.0411	46.702	48.313	49.962	51.613	53.281
Residential Investment (Bil 92\$)	3.67717	3.6548	3.5642	3.5286	3.4938	3.4669	3.4479	3.4281
Opt Res Capital Stock (Bil 92\$)	69.4702	72.197	74.316	76.732	79.069	81.394	83.711	85.966
Act Res Capital Stock (Bil 92\$)	44.74616	47.6075	50.3365	52.9871	55.562	58.069	60.517	62.907
Exog Emp (Thous)	0	2.492	2.714	2.751	2.781	2.804	2.822	3.222
Exog Prod (Bil 92\$)	0	0.1273	0.1481	0.154	0.159	0.1635	0.1672	0.2061
Manufacturing	45.66561	45.6252	45.6339	45.7433	45.9907	46.1964	46.3493	46.4615
Mining	13.771803	12.35664	11.44519	10.97525	10.605414	10.31135	10.07446	9.8745
Construction	106.062	107.957	106.346	105.503	105.397	105.469	105.707	106.262
Trans./Public Util.	58.0648	59.2342	60.202	61.221	62.1028	62.9423	63.7247	64.47
Fin/Ins/Real Est	89.9837	92.061	93.511	94.629	95.58	96.537	97.504	98.439
Retail Trade	194.8402	202.759	206.562	209.142	210.684	212.358	214.196	216.026
Wholesale Trade	40.5226	41.145	41.5077	41.8867	42.2302	42.5399	42.8179	43.068
Services	507.866	527.568	542.317	556.38	569.457	583.047	597.038	611.065
Agri/For/Fish Serv	12.92819	13.4372	13.7577	14.0547	14.3506	14.6497	14.9462	15.2386
State and Local	101.425	106.903	109.884	115.105	119.838	124.257	128.348	131.286
Federal Civilian	14.159	14.192	14.047	13.946	13.847	13.745	13.644	13.539
Federal Military	11.331	11.595	11.558	11.769	11.976	12.188	12.399	12.618
Farm	5.415	5.32	5.223	5.124	5.027	4.927	4.829	4.727
Hotels	222.9168	230.941	235.962	240.582	244.895	249.415	254.007	258.445
Amusem & Recr	35.33107	36.962	38.4402	39.625	40.7035	41.7407	42.775	43.7745
Eating & Drinking	63.75814	65.9548	67.4226	68.4534	69.3344	70.2738	71.293	72.314
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Co								
Levels caused by simulation (UNLV upda								
Rest of Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	1395.04	1416.302	1436.519	1457.286	1480.164	1501.43	1522.587	1543.859
Population (Thous)	2496.614	2547.995	2599.706	2651.46	2699.973	2747.69	2794.108	2839.064
GRP (Bil 92\$)	67.792	69.509	70.934	72.555	74.259	75.894	77.523	79.162
State & Local Gov Spending (Bil 92\$)	7.4734	7.7366	7.917	8.1175	8.3619	8.5374	8.7012	8.8598
Real Disp Pers Inc (Bil 92\$)	54.969	56.608	58.229	59.904	61.576	63.084	64.554	66.041
Residential Investment (Bil 92\$)	3.4143	3.3966	3.3483	3.347	3.3592	3.3509	3.3479	3.3492
Opt Res Capital Stock (Bil 92\$)	88.21	90.367	92.248	94.405	96.621	98.663	100.7	102.738
Act Res Capital Stock (Bil 92\$)	65.246	67.529	69.73	71.894	74.036	76.134	78.197	80.228
Exog Emp (Thous)	3.232	3.238	3.268	3.283	2.862	2.859	2.857	2.854
Exog Prod (Bil 92\$)	0.2091	0.2114	0.2201	0.2272	0.1889	0.1898	0.1907	0.1916
Manufacturing	46.502	46.4828	46.679	47.152	47.723	48.377	49.094	49.832
Mining	9.7135	9.5941	9.2784	9.0341	8.7992	8.6052	8.4322	8.3003
Construction	106.684	107.098	107.108	106.94	107.091	107.52	108.094	108.813
Trans./Public Util.	65.182	65.845	66.538	67.068	67.657	68.223	68.781	69.332
Fin/Ins/Real Est	99.378	100.257	99.956	100.054	100.195	100.242	100.244	100.247
Retail Trade	217.879	219.605	221.409	223.376	225.539	227.307	228.961	230.558
Wholesale Trade	43.2845	43.4606	43.5626	43.811	44.095	44.353	44.601	44.836
Services	625.065	638.836	653.509	668.049	683.159	698.161	713.103	728.112
Agri/For/Fish Serv	15.5283	15.8136	16.1809	16.6132	17.0637	17.4904	17.9156	18.345
State and Local	134.939	138.4	141.234	144.003	147.54	149.783	151.931	154.008
Federal Civilian	13.433	13.328	13.43	13.516	13.595	13.646	13.69	13.726
Federal Military	12.838	13.056	13.152	13.238	13.319	13.386	13.444	13.5
Farm	4.624	4.522	4.477	4.432	4.388	4.344	4.301	4.258
Hotels	262.695	266.724	272.933	280.659	288.649	296.757	304.927	313.191
Amusem & Recr	44.7751	45.7934	46.4441	46.8751	47.3165	47.7086	48.0624	48.3924
Eating & Drinking	73.355	74.368	75.286	76.144	77.111	77.993	78.893	79.829
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Co								
Levels caused by simulation (UNLV upda								
Rest of Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	1564.605	1584.402	1603.74	1621.507	1638.032	1653.107	1667.735	1681.253
Population (Thous)	2882.925	2925.675	2967.652	3008.907	3049.801	3090.483	3131.417	3172.927
GRP (Bil 92\$)	80.769	82.319	83.863	85.297	86.669	87.966	89.233	90.474
State & Local Gov Spending (Bil 92\$)	9.0125	9.1565	9.3011	9.435	9.5648	9.6907	9.8678	10.0015
Real Disp Pers Inc (Bil 92\$)	67.517	68.98	70.505	71.982	73.48	74.985	76.553	78.227
Residential Investment (Bil 92\$)	3.3488	3.3465	3.3472	3.3402	3.3366	3.3327	3.33739	3.34322
Opt Res Capital Stock (Bil 92\$)	104.732	106.675	108.612	110.461	112.295	114.09	115.922	117.74
Act Res Capital Stock (Bil 92\$)	82.226	84.189	86.122	88.016	89.878	91.706	93.509	95.288
Exog Emp (Thous)	2.852	2.85	2.848	2.847	2.845	2.843	2.447	2.447
Exog Prod (Bil 92\$)	0.1926	0.1936	0.1945	0.1957	0.1966	0.1978	0.1598	0.1611
Manufacturing	50.548	51.225	51.859	52.417	52.894	53.292	53.587	53.83
Mining	8.1633	8.0121	7.9021	7.7567	7.6495	7.5027	7.3727	7.2385
Construction	109.584	110.331	111.106	111.759	112.351	112.878	113.145	113.654
Trans./Public Util.	69.847	70.306	70.721	71.052	71.302	71.476	71.591	71.656
Fin/Ins/Real Est	100.202	100.081	99.947	99.715	99.413	99.041	98.614	98.216
Retail Trade	232.02	233.275	234.435	235.305	235.938	236.352	236.65	236.879
Wholesale Trade	45.032	45.174	45.283	45.302	45.263	45.145	44.959	44.724
Services	742.995	757.508	771.834	785.486	798.46	810.7	822.227	833.442
Agri/For/Fish Serv	18.7711	19.1866	19.6029	20.0007	20.3849	20.7549	21.1208	21.4843
State and Local	155.922	157.77	159.495	161.156	162.817	164.409	166.927	168.588
Federal Civilian	13.748	13.767	13.773	13.778	13.781	13.777	13.775	13.768
Federal Military	13.553	13.6	13.651	13.692	13.731	13.765	13.798	13.844
Farm	4.215	4.173	4.131	4.09	4.049	4.009	3.969	3.929
Hotels	321.491	329.731	337.907	345.881	353.567	360.954	367.992	374.803
Amusem & Recr	48.6877	48.926	49.1361	49.2683	49.3482	49.3699	49.3463	49.3122
Eating & Drinking	80.772	81.691	82.623	83.491	84.313	85.089	85.855	86.625
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 1992 Co								
Levels caused by simulation (UNLV upda								
Rest of Nevada	2023	2024	2025	2026	2027	2028	2029	2030
Employment (Thous)	1693.815	1705.785	1717.39	1729.608	1743.79	1758.872	1774.95	1792.601
Population (Thous)	3214.98	3257.608	3300.96	3345.12	3390.6	3437.241	3484.72	3533.02
GRP (Bil 92\$)	91.641	92.79	93.929	95.114	96.456	97.824	99.28	100.827
State & Local Gov Spending (Bil 92\$)	10.1347	10.27	10.4057	10.5425	10.7007	10.8592	11.0235	11.1877
Real Disp Pers Inc (Bil 92\$)	79.909	81.652	83.434	85.314	87.439	89.581	91.785	94.062
Residential Investment (Bil 92\$)	3.34552	3.35437	3.37004	3.40218	3.4557	3.51099	3.57063	3.64405
Opt Res Capital Stock (Bil 92\$)	119.505	121.295	123.113	125.056	127.167	129.308	131.521	133.866
Act Res Capital Stock (Bil 92\$)	97.041	98.775	100.495	102.22	103.969	105.745	107.551	109.401
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 92\$)	0.1623	0.1636	0.165	0.1662	0.1676	0.1691	0.1707	0.1725
Manufacturing	53.984	54.102	54.195	54.301	54.454	54.651	54.917	55.271
Mining	7.1223	6.9957	6.879	6.7955	6.7178	6.645	6.5821	6.5282
Construction	114.087	114.493	114.94	115.556	116.449	117.436	118.529	119.864
Trans./Public Util.	71.683	71.667	71.634	71.62	71.681	71.785	71.937	72.15
Fin/Ins/Real Est	97.762	97.308	96.84	96.422	96.148	95.917	95.742	95.636
Retail Trade	236.96	236.939	236.874	236.946	237.361	237.883	238.455	239.259
Wholesale Trade	44.413	44.06	43.664	43.277	42.918	42.556	42.2162	41.9076
Services	844.093	854.334	864.289	874.285	885.084	896.292	908.009	920.448
Agri/For/Fish Serv	21.8359	22.1814	22.5261	22.8818	23.2742	23.6764	24.0898	24.5253
State and Local	170.326	172.146	173.986	175.938	178.082	180.35	182.733	185.212
Federal Civilian	13.768	13.772	13.773	13.779	13.789	13.807	13.831	13.857
Federal Military	13.888	13.935	13.982	14.031	14.102	14.171	14.246	14.321
Farm	3.89	3.851	3.812	3.774	3.736	3.699	3.662	3.625
Hotels	381.332	387.604	393.702	399.733	405.978	412.424	419.113	426.144
Amusem & Recr	49.2333	49.133	49.0208	48.9084	48.8673	48.8288	48.8048	48.8145
Eating & Drinking	87.359	88.082	88.81	89.61	90.57	91.59	92.66	93.845
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 1992 Coi</b>					
<b>Levels caused by simulation (UNLV upd</b>					
<b>Rest of Nevada</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>
Employment (Thous)	1812.387	1834.7	1858.562	1882.99	1907.442
Population (Thous)	3582.097	3632.295	3683.549	3735.45	3787.554
GRP (Bil 92\$)	102.509	104.377	106.314	108.284	110.249
State & Local Gov Spending (Bil 92\$)	11.3564	11.5428	11.7353	11.9299	12.1222
Real Disp Pers Inc (Bil 92\$)	96.475	99.118	101.848	104.615	107.371
Residential Investment (Bil 92\$)	3.74083	3.85044	3.95911	4.0656	4.16231
Opt Res Capital Stock (Bil 92\$)	136.426	139.159	141.963	144.814	147.671
Act Res Capital Stock (Bil 92\$)	111.315	113.306	115.374	117.511	119.71
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 92\$)	0.1739	0.1755	0.1771	0.179	0.1809
Manufacturing	55.736	56.287	56.917	57.582	58.27
Mining	6.5147	6.5133	6.5117	6.5059	6.5
Construction	121.54	123.526	125.65	127.807	129.96
Trans./Public Util.	72.457	72.868	73.336	73.83	74.333
Fin/Ins/Real Est	95.604	95.725	95.908	96.105	96.281
Retail Trade	240.411	241.934	243.659	245.381	247.002
Wholesale Trade	41.6761	41.5077	41.3632	41.2306	41.0913
Services	933.775	948.312	963.683	979.441	995.302
Agri/For/Fish Serv	24.9938	25.5054	26.0395	26.5796	27.1173
State and Local	187.812	190.562	193.439	196.377	199.346
Federal Civilian	13.885	13.912	13.944	13.976	14.006
Federal Military	14.397	14.492	14.59	14.689	14.783
Farm	3.589	3.553	3.518	3.482	3.448
Hotels	433.524	441.423	449.731	458.279	466.979
Amusem & Recr	48.8565	48.9601	49.0874	49.2019	49.3015
Eating & Drinking	95.192	96.724	98.366	100.041	101.709
<b>Migrants</b>					
Total Migrants	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 2000 Constant Dollars; employment and population numbers are in thousands</b>								
<b>BASELINE LEVELS</b>								
<b>All Nevada</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Employment (Thous)	1,202.032	1,240.154	1,261.995	1,285.473	1,307.082	1,329.171	1,351.585	1,373.078
Population (Thous)	1,874.669	1,998.258	2,087.414	2,173.165	2,249.202	2,319.163	2,382.733	2,441.357
GRP (Bil 2000\$)	62.933	65.458	67.476	69.476	71.459	73.473	75.507	77.509
State & Local Gov Spending (Bil 2000\$)	6.090	6.474	6.713	7.112	7.483	7.842	8.182	8.451
Real Disp Pers Inc (Bil 2000\$)	48.212	50.863	52.856	54.805	56.695	58.630	60.568	62.525
Residential Investment (Bil 2000\$)	4.315	4.289	4.183	4.141	4.100	4.068	4.046	4.023
Opt Res Capital Stock (Bil 2000\$)	81.523	84.723	87.209	90.045	92.787	95.515	98.234	100.881
Act Res Capital Stock (Bil 2000\$)	52.509	55.867	59.070	62.180	65.202	68.144	71.016	73.821
Exog Emp (Thous)	0.000	2.492	2.714	2.751	2.781	2.804	2.822	3.222
Exog Prod (Bil 2000\$)	0.000	0.149	0.174	0.181	0.187	0.192	0.196	0.242
Manufacturing	45.666	45.625	45.634	45.743	45.991	46.196	46.349	46.462
Mining	13.772	12.357	11.445	10.975	10.605	10.311	10.074	9.875
Construction	106.062	107.957	106.346	105.503	105.397	105.469	105.707	106.262
Trans./Public Util.	58.065	59.234	60.202	61.221	62.103	62.942	63.725	64.470
Fin/Ins/Real Est	89.984	92.061	93.511	94.629	95.580	96.537	97.504	98.439
Retail Trade	194.840	202.759	206.562	209.142	210.684	212.358	214.196	216.026
Wholesale Trade	40.523	41.145	41.508	41.887	42.230	42.540	42.818	43.068
Services	507.866	527.568	542.317	556.380	569.457	583.047	597.038	611.065
Agri/For/Fish Serv	12.928	13.437	13.758	14.055	14.351	14.650	14.946	15.239
State and Local	101.425	106.903	109.884	115.105	119.838	124.257	128.348	131.286
Federal Civilian	14.159	14.192	14.047	13.946	13.847	13.745	13.644	13.539
Federal Military	11.331	11.595	11.558	11.769	11.976	12.188	12.399	12.618
Farm	5.415	5.320	5.223	5.124	5.027	4.927	4.829	4.727
Hotels	222.917	230.941	235.962	240.582	244.895	249.415	254.007	258.445
Amusem & Recr	35.331	36.962	38.440	39.625	40.704	41.741	42.775	43.775
Eating & Drinking	63.758	65.955	67.423	68.453	69.334	70.274	71.293	72.314
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Coi								
BASELINE LEVELS								
All Nevada	2007	2008	2009	2010	2011	2012	2013	2014
Employment (Thous)	1,395.040	1,416.302	1,436.519	1,457.286	1,480.164	1,501.430	1,522.587	1,543.859
Population (Thous)	2,496.614	2,547.995	2,599.706	2,651.460	2,699.973	2,747.690	2,794.108	2,839.064
GRP (Bil 2000\$)	79.554	81.568	83.241	85.143	87.143	89.061	90.973	92.896
State & Local Gov Spending (Bil 2000\$)	8.770	9.079	9.291	9.526	9.813	10.019	10.211	10.397
Real Disp Pers Inc (Bil 2000\$)	64.506	66.429	68.331	70.297	72.259	74.029	75.754	77.499
Residential Investment (Bil 2000\$)	4.007	3.986	3.929	3.928	3.942	3.932	3.929	3.930
Opt Res Capital Stock (Bil 2000\$)	103.514	106.045	108.253	110.784	113.384	115.781	118.171	120.563
Act Res Capital Stock (Bil 2000\$)	76.566	79.245	81.828	84.367	86.881	89.343	91.764	94.147
Exog Emp (Thous)	3.232	3.238	3.268	3.283	2.862	2.859	2.857	2.854
Exog Prod (Bil 2000\$)	0.245	0.248	0.258	0.267	0.222	0.223	0.224	0.225
Manufacturing	46.502	46.483	46.679	47.152	47.723	48.377	49.094	49.832
Mining	9.714	9.594	9.278	9.034	8.799	8.605	8.432	8.300
Construction	106.684	107.098	107.108	106.940	107.091	107.520	108.094	108.813
Trans./Public Util.	65.182	65.845	66.538	67.068	67.657	68.223	68.781	69.332
Fin/Ins/Real Est	99.378	100.257	99.956	100.054	100.195	100.242	100.244	100.247
Retail Trade	217.879	219.605	221.409	223.376	225.539	227.307	228.961	230.558
Wholesale Trade	43.285	43.461	43.563	43.811	44.095	44.353	44.601	44.836
Services	625.065	638.836	653.509	668.049	683.159	698.161	713.103	728.112
Agri/For/Fish Serv	15.528	15.814	16.181	16.613	17.064	17.490	17.916	18.345
State and Local	134.939	138.400	141.234	144.003	147.540	149.783	151.931	154.008
Federal Civilian	13.433	13.328	13.430	13.516	13.595	13.646	13.690	13.726
Federal Military	12.838	13.056	13.152	13.238	13.319	13.386	13.444	13.500
Farm	4.624	4.522	4.477	4.432	4.388	4.344	4.301	4.258
Hotels	262.695	266.724	272.933	280.659	288.649	296.757	304.927	313.191
Amusem & Recr	44.775	45.793	46.444	46.875	47.317	47.709	48.062	48.392
Eating & Drinking	73.355	74.368	75.286	76.144	77.111	77.993	78.893	79.829
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Coi								
BASELINE LEVELS								
All Nevada	2015	2016	2017	2018	2019	2020	2021	2022
Employment (Thous)	1,564.605	1,584.402	1,603.740	1,621.507	1,638.032	1,653.107	1,667.735	1,681.253
Population (Thous)	2,882.925	2,925.675	2,967.652	3,008.907	3,049.801	3,090.483	3,131.417	3,172.927
GRP (Bil 2000\$)	94.782	96.601	98.413	100.096	101.706	103.228	104.715	106.171
State & Local Gov Spending (Bil 2000\$)	10.576	10.745	10.915	11.072	11.224	11.372	11.580	11.737
Real Disp Pers Inc (Bil 2000\$)	79.231	80.948	82.737	84.471	86.228	87.995	89.835	91.799
Residential Investment (Bil 2000\$)	3.930	3.927	3.928	3.920	3.915	3.911	3.916	3.923
Opt Res Capital Stock (Bil 2000\$)	122.903	125.183	127.456	129.625	131.778	133.884	136.034	138.167
Act Res Capital Stock (Bil 2000\$)	96.492	98.795	101.064	103.286	105.471	107.617	109.732	111.820
Exog Emp (Thous)	2.852	2.850	2.848	2.847	2.845	2.843	2.447	2.447
Exog Prod (Bil 2000\$)	0.226	0.227	0.228	0.230	0.231	0.232	0.188	0.189
Manufacturing	50.548	51.225	51.859	52.417	52.894	53.292	53.587	53.830
Mining	8.163	8.012	7.902	7.757	7.650	7.503	7.373	7.239
Construction	109.584	110.331	111.106	111.759	112.351	112.878	113.145	113.654
Trans./Public Util.	69.847	70.306	70.721	71.052	71.302	71.476	71.591	71.656
Fin/Ins/Real Est	100.202	100.081	99.947	99.715	99.413	99.041	98.614	98.216
Retail Trade	232.020	233.275	234.435	235.305	235.938	236.352	236.650	236.879
Wholesale Trade	45.032	45.174	45.283	45.302	45.263	45.145	44.959	44.724
Services	742.995	757.508	771.834	785.486	798.460	810.700	822.227	833.442
Agri/For/Fish Serv	18.771	19.187	19.603	20.001	20.385	20.755	21.121	21.484
State and Local	155.922	157.770	159.495	161.156	162.817	164.409	166.927	168.588
Federal Civilian	13.748	13.767	13.773	13.778	13.781	13.777	13.775	13.768
Federal Military	13.553	13.600	13.651	13.692	13.731	13.765	13.798	13.844
Farm	4.215	4.173	4.131	4.090	4.049	4.009	3.969	3.929
Hotels	321.491	329.731	337.907	345.881	353.567	360.954	367.992	374.803
Amusem & Recr	48.688	48.926	49.136	49.268	49.348	49.370	49.346	49.312
Eating & Drinking	80.772	81.691	82.623	83.491	84.313	85.089	85.855	86.625
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



## Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

<b>LEVELS: Dollar amounts are in 2000 Coi</b>								
<b>BASELINE LEVELS</b>								
<b>All Nevada</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
Employment (Thous)	1,693.815	1,705.785	1,717.390	1,729.608	1,743.790	1,758.872	1,774.950	1,792.601
Population (Thous)	3,214.980	3,257.608	3,300.960	3,345.120	3,390.600	3,437.241	3,484.720	3,533.020
GRP (Bil 2000\$)	107.540	108.889	110.225	111.616	113.191	114.796	116.505	118.320
State & Local Gov Spending (Bil 2000\$)	11.893	12.052	12.211	12.372	12.557	12.743	12.936	13.129
Real Disp Pers Inc (Bil 2000\$)	93.773	95.818	97.909	100.116	102.609	105.123	107.709	110.381
Residential Investment (Bil 2000\$)	3.926	3.936	3.955	3.992	4.055	4.120	4.190	4.276
Opt Res Capital Stock (Bil 2000\$)	140.239	142.339	144.473	146.753	149.230	151.742	154.339	157.091
Act Res Capital Stock (Bil 2000\$)	113.877	115.912	117.930	119.955	122.007	124.091	126.211	128.382
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 2000\$)	0.190	0.192	0.194	0.195	0.197	0.198	0.200	0.202
Manufacturing	53.984	54.102	54.195	54.301	54.454	54.651	54.917	55.271
Mining	7.122	6.996	6.879	6.796	6.718	6.645	6.582	6.528
Construction	114.087	114.493	114.940	115.556	116.449	117.436	118.529	119.864
Trans./Public Util.	71.683	71.667	71.634	71.620	71.681	71.785	71.937	72.150
Fin/Ins/Real Est	97.762	97.308	96.840	96.422	96.148	95.917	95.742	95.636
Retail Trade	236.960	236.939	236.874	236.946	237.361	237.883	238.455	239.259
Wholesale Trade	44.413	44.060	43.664	43.277	42.918	42.556	42.216	41.908
Services	844.093	854.334	864.289	874.285	885.084	896.292	908.009	920.448
Agri/For/Fish Serv	21.836	22.181	22.526	22.882	23.274	23.676	24.090	24.525
State and Local	170.326	172.146	173.986	175.938	178.082	180.350	182.733	185.212
Federal Civilian	13.768	13.772	13.773	13.779	13.789	13.807	13.831	13.857
Federal Military	13.888	13.935	13.982	14.031	14.102	14.171	14.246	14.321
Farm	3.890	3.851	3.812	3.774	3.736	3.699	3.662	3.625
Hotels	381.332	387.604	393.702	399.733	405.978	412.424	419.113	426.144
Amusem & Recr	49.233	49.133	49.021	48.908	48.867	48.829	48.805	48.815
Eating & Drinking	87.359	88.082	88.810	89.610	90.570	91.590	92.660	93.845
<b>Migrants</b>								
Total Migrants	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

# Attachment 9. Implementing Alternative Baseline, All of the State of Nevada Output.

LEVELS: Dollar amounts are in 2000 Coi					
BASELINE LEVELS					
All Nevada	2031	2032	2033	2034	2035
Employment (Thous)	1,812.387	1,834.700	1,858.562	1,882.990	1,907.442
Population (Thous)	3,582.097	3,632.295	3,683.549	3,735.450	3,787.554
GRP (Bil 2000\$)	120.294	122.486	124.759	127.071	129.377
State & Local Gov Spending (Bil 2000\$)	13.327	13.545	13.771	14.000	14.225
Real Disp Pers Inc (Bil 2000\$)	113.213	116.315	119.518	122.765	125.999
Residential Investment (Bil 2000\$)	4.390	4.518	4.646	4.771	4.884
Opt Res Capital Stock (Bil 2000\$)	160.095	163.302	166.593	169.939	173.291
Act Res. Capital Stock (Bil 2000\$)	130.628	132.964	135.391	137.899	140.479
Exog Emp (Thous)	2.447	2.447	2.447	2.447	2.447
Exog Prod (Bil 2000\$)	0.204	0.206	0.208	0.210	0.212
Manufacturing	55.736	56.287	56.917	57.582	58.270
Mining	6.515	6.513	6.512	6.506	6.500
Construction	121.540	123.526	125.650	127.807	129.960
Trans./Public Util.	72.457	72.868	73.336	73.830	74.333
Fin/Ins/Real Est	95.604	95.725	95.908	96.105	96.281
Retail Trade	240.411	241.934	243.659	245.381	247.002
Wholesale Trade	41.676	41.508	41.363	41.231	41.091
Services	933.775	948.312	963.683	979.441	995.302
Agri/For/Fish Serv	24.994	25.505	26.040	26.580	27.117
State and Local	187.812	190.562	193.439	196.377	199.346
Federal Civilian	13.885	13.912	13.944	13.976	14.006
Federal Military	14.397	14.492	14.590	14.689	14.783
Farm	3.589	3.553	3.518	3.482	3.448
Hotels	433.524	441.423	449.731	458.279	466.979
Amusem & Recr	48.857	48.960	49.087	49.202	49.302
Eating & Drinking	95.192	96.724	98.366	100.041	101.709
<b>Migrants</b>					
Total Migrants	0.000	0.000	0.000	0.000	0.000



## Attachment 10. Implementing Alternative Baseline, Notes and Inflators.

This is the development of the Inputs and outputs for the baseline case

Steps (items are in *italics* until adjustments made)

1. Update workbook with DETR data (outputs)  
Status: Done; See "Output" worksheets, rows 4 through 30 for economic levels
2. Update Clark County with UNLV and Convention & Visitors Authority data: Amenity, hotel employment, *govt spending for transportation infrastructure.*  
Status: Done; see "input worksheet for Clark"
3. Update input sheets with Retirement migration data  
Status: Done
4. Add NTS/YMP employment update data. Clark and Nye  
Status: Done
5. Add Mining sector employment update data. Nye. Include Bullfrog closing and PIC assumption of level employment after 2001  
Status: Done
6. Update Nye with Hotel employment update (for new Pahrump Nugget)  
Status: Done
7. Run all inputs through REMI: Done
8. Paste REMI outputs into workbook: Done
9. See how much population needs to be changed to reflect local estimates reduced to Census 2000 (compare)  
Clark county source: SNAPPE/ UNLV (December 2000) (through 2035)  
Nye County source: PIC (1998: pop projections to 2008)  
Lincoln County source: NSDO (through 2010)  
Rest of Nevada Source: NSDO (through 2010)  
Status: Done
9. Develop REMI inputs for economic migration through iterative process  
Status: *Done*

### NOTES:

1. See input sheets for development of inputs.  
See PCE-Indices for price indexes for counties and sectors.
2. For development of "Levels" of the economic measures, go to "output" sheets: Row 3 (dark gray), levels based on state employment update; row 102 (dark blue), simulation changes; row 136 (light blue) total levels in 1992 dollars; row 169 (gold) outputs in 2000 dollars.  
  
This final gold section is the baseline
3. "Output All Nevada" worksheet does NOT have intermediate step of results from changes w/o economic migration. It has levels from DETR update and changes from all other baseline inputs, including economic migration
4. For DETR update use : REMI Workbook "DETR Update w 1999 data.RWB." and worksheet "Regional Control emp update."
5. For Levels/Differences caused by simulation  
(UNLV update + migration + DOE + Nye county) WITH Economic Migration Adjustment, but WITHOUT DETR Update use REMI Workbook: "2000 census based baseline.RWB" and worksheet "revised base wo retirement mig"

## Attachment 10. Implementing Alternative Baseline, Notes and Inflators.

6. Baseline levels in 1992 Constant dollars (line 136) are derived from the above two simulations:  
 above two simulations: Levels from the Employment update (see #4),  
 and differences from the economic simulation (see #5) are added to  
 obtain final baseline levels in 1992 dollars.

7. Baseline levels in 2000 Constant dollars (line 169) are derived from #6. above  
 by multiplying 1992 constant dollars by the price index for each county derived  
 from the Standard Regional Control. See worksheet PCE-Indices.

Price Indices from REMI 2000-2001 model (LHY = 1998) (PCE-Index: \$92) Standard Regional Control									
Area	1992	1993	1994	1995	1996	1997	1998	1999	2000
Clark	103.852	106.807	108.367	111.711	114.404	116.735	117.599	119.52	122.748
Nye	105.454	108.353	114.787	115.223	108.423	111.332	110.285	110.555	112.487
Lincoln	91.471	94.586	97.749	100.525	103.396	105.498	105.388	103.495	105.165
Rest of NV	100.115	103.202	105.776	108.026	110.223	111.794	111.892	113.386	116.166
All Nevada	102.631	105.629	107.586	110.534	112.943	115.032	115.62	117.374	120.437

Indices to change 1992 dollars to year 2000 dollars.	
Clark	1.181951
Nye	1.066693
Lincoln	1.149709
Rest of NV	1.160326
All Nevada	1.173495

Indices to change 2000 dollars to year 1992 dollars.	
Clark	0.846059
Nye	0.937477
Lincoln	0.869786
Rest of NV	0.861827
All Nevada	0.852155

**Attachment 10. Implementing Alternative Baseline, Notes and Inflators.**

<b>Sector Specific U.S. Deflators (1992=1.0)</b>									
<b>REMI Sector</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
Lumber	1.000	1.159	1.203	1.200	1.191	1.236	1.216	1.263	1.318
Furniture	1.000	1.020	1.054	1.082	1.104	1.121	1.132	1.156	1.196
Stone,Clay,Etc.	1.000	1.023	1.062	1.105	1.122	1.144	1.162	1.186	1.221
Primary Metals	1.000	0.990	1.053	1.164	1.113	1.121	1.078	1.054	1.045
Fabricated Metals	1.000	1.007	1.024	1.061	1.073	1.084	1.093	1.102	1.125
Machin & Comput	1.000	0.975	0.954	0.903	0.815	0.724	0.605	0.538	0.478
Electric Equip	1.000	1.010	1.015	1.008	0.996	0.967	0.937	0.872	0.819
Motor Vehicles	1.000	1.023	1.048	1.061	1.070	1.061	1.050	1.052	1.091
Rest Trans Equip	1.000	1.027	1.049	1.068	1.080	1.102	1.109	1.140	1.156
Instruments	1.000	1.020	1.030	1.045	1.053	1.058	1.060	1.052	1.056
Misc. Manufact	1.000	1.016	1.032	1.053	1.070	1.080	1.085	1.092	1.129
Food	1.000	1.015	1.028	1.041	1.091	1.096	1.076	1.106	1.137
Tobacco Manuf	1.000	0.954	0.835	0.860	0.883	0.928	1.059	1.032	1.039
Textiles	1.000	0.996	0.996	1.025	1.038	1.043	1.040	1.035	1.054
Apparel	1.000	1.009	1.013	1.020	1.038	1.045	1.058	1.041	1.071
Paper	1.000	0.988	1.023	1.242	1.153	1.108	1.127	1.151	1.176
Printing	1.000	1.031	1.058	1.119	1.160	1.182	1.216	1.247	1.287
Chemicals	1.000	1.009	1.031	1.130	1.144	1.150	1.159	1.172	1.186
Petro Products	1.000	0.965	0.930	0.961	1.088	1.064	0.824	0.831	0.840
Rubber	1.000	1.011	1.025	1.073	1.072	1.071	1.066	1.070	1.084
Leather	1.000	1.019	1.046	1.088	1.071	1.096	1.089	0.965	1.022
Mining	1.000	1.001	0.961	0.965	0.988	1.020	1.028	0.986	0.971
Construction	1.000	1.038	1.081	1.126	1.152	1.185	1.196	1.246	1.330

# Attachment 10. Implementing Alternative Baseline, Notes and Inflators.

Sector Specific U.S. Deflators (1992=1.0)									
REMI Sector	1992	1993	1994	1995	1996	1997	1998	1999	2000
Railroad	1.000	1.009	1.017	1.016	1.015	1.039	1.049	1.032	1.023
Trucking	1.000	1.005	1.048	1.074	1.093	1.119	1.128	1.119	1.128
Local/Interurban	1.000	1.009	1.092	1.097	1.146	1.170	1.183	1.234	1.290
Air Transportation	1.000	1.036	1.016	1.039	1.052	1.074	1.080	1.094	1.099
Other Transport	1.000	1.023	1.053	1.114	1.154	1.194	1.210	1.189	1.230
Communication	1.000	1.014	1.047	1.066	1.114	1.152	1.163	1.203	1.231
Public Utilities	1.000	1.025	1.038	1.051	1.056	1.090	1.114	1.125	1.156
Banking	1.000	1.056	1.126	1.202	1.298	1.387	1.413	1.440	1.455
Insurance	1.000	1.103	1.169	1.215	1.264	1.330	1.367	1.439	1.509
Credit & Finance	1.000	0.940	0.906	0.847	0.822	0.815	0.824	0.817	0.817
Real Estate	1.000	1.028	1.057	1.091	1.124	1.157	1.181	1.213	1.247
Eating & Drinking	1.000	1.019	1.038	1.062	1.089	1.112	1.126	1.166	1.216
Rest of Retail	1.000	1.014	1.030	1.045	1.053	1.074	1.079	1.095	1.135
Wholesale Trade	1.000	1.011	1.026	1.056	1.073	1.082	1.087	1.105	1.120
Hotels	1.000	1.028	1.059	1.101	1.157	1.212	1.232	1.290	1.358
Pers Serv & Rep	1.000	1.051	1.082	1.128	1.176	1.237	1.257	1.291	1.333
Private Household	1.000	1.035	1.065	1.096	1.135	1.177	1.224	1.245	1.272
Auto Rep/Serv	1.000	1.038	1.074	1.106	1.137	1.174	1.189	1.080	1.068
Misc. Bus Serv	1.000	0.997	1.036	1.044	1.077	1.101	1.117	1.116	1.134
Amusem & Recr	1.000	1.028	1.062	1.095	1.134	1.166	1.177	1.213	1.254
Motion Pictures	1.000	1.015	1.057	1.094	1.147	1.170	1.185	1.258	1.259
Medical	1.000	1.044	1.084	1.119	1.144	1.172	1.195	1.252	1.332
Misc. Prof Serv	1.000	1.025	1.066	1.099	1.139	1.177	1.194	1.234	1.285
Education	1.000	1.024	1.054	1.092	1.119	1.164	1.216	1.257	1.308
Non-Profit Org	1.000	1.023	1.046	1.091	1.113	1.129	1.144	1.189	1.238
Agri/For/Fish Serv	1.000	1.036	1.076	1.102	1.133	1.167	1.178	1.224	1.299

## These are the sectors used in DEIS

Insurance  
 Wholesale  
 Automobile Repair & Service  
 Miscellaneous Professional Services  
 Miscellaneous Business Services  
 Eating & Drinking Places  
 Hotels  
 Construction  
 Petro Products

## **Appendix D**

### **Heavy Haul Truck Route REMI Input Data General to All Routes**

Heavy Haul Transportation Options: Construction and Maintenance

Heavy Haul Transportation Options: Operations

General Aspects of Construction and Operations of the Intermodal Transfer (IMT) Facilities

**REMI INPUT DOCUMENTATION REPORT NUMBER 4, Rev. 01****HEAVY HAUL TRANSPORTATION OPTIONS:  
CONSTRUCTION AND MAINTENANCE**

This *REMI Input Documentation Report Number 4, Rev. 01*, identifies the REMI policy variables used as inputs for the analysis of impacts caused by construction and maintenance of heavy haul transportation routes to the proposed repository at Yucca Mountain. This report also identifies other assumptions for inputs used in the heavy haul construction and maintenance options.

**1. DESCRIPTION OF POTENTIAL HEAVY HAUL ROUTES**

There are five potential heavy haul routes from railroads to the proposed repository. They start at one of three potential Intermodal Transfer Facilities (IMT) located in the vicinity of Caliente, Apex/Dry Lake to the north of Las Vegas, or Sloan/Jean to the south of Las Vegas. Associated with a Caliente IMT are three potential routes. These five routes are described in the Environmental Impact Statement, and briefly in the following.

One route is the Caliente Route, which travels westward from Caliente on U.S. Route 93, Nevada route 375, and U.S. Route 6 to the vicinity of Tonopah, while staying north of the Nellis Air Force Range. This route would then travel approximately south from Tonopah on U.S. Route 95, staying to the west of the Nellis Air Force Range, and enter the Nevada Test Site from the south enroute to the Yucca Mountain Site. A second route from Caliente, the Caliente Chalk Mountain Route, travels west from Caliente on U.S. Route 93 and Nevada route 375 before turning near Rachel, entering the Test Site near its northeast corner, and passing south through the Nevada Test Site. The final approach of the Caliente Chalk Mountain Route to the Yucca Mountain Site would be from the east. The third potential route from Caliente, the Caliente Las Vegas Route, follows Nevada route 93 south from Caliente, picking up Interstate 15 north of Las Vegas near Apex. The route then follows I-15 south to the proposed Beltway, which is followed west to U.S. Route 95. Route 95 is followed to the NTS.

A fourth potential route, the Apex/Dry Lake Route, would be from a possible IMT located in the Apex and Dry Lake vicinity. This route would follow I-15 south to the proposed Beltway, then west to U.S. Route 95. Route 95 is followed northwest to the NTS.

A fifth potential route, the Sloan/Jean Route, would be from a possible IMT located in the vicinity of either Jean or Sloan. From this IMT, the heavy haul route would follow I-15 north to the proposed Beltway, then west and north to U.S. Route 95. Route 95 is followed to the NTS.

**2. REMI POLICY VARIABLES FOR HEAVY HAUL CONSTRUCTION AND MAINTENANCE**

Simulations for construction and maintenance of heavy haul routes are based on the annual amounts of money (1992 dollars) spent. The primary variable used is T37, REMI's special translator policy variable for construction of new roads. As stated in *REMI Input Documentation Report Number 1, Rev. 01*, it is assumed that the contractor would be based in Clark County, and that direct employment and construction related purchases would be made in Clark County. **Policy Variable T37** is used because it uses the final output (amount

spent) and calculates the intermediate demands and subsequent indirect effects of the inputs. In addition to the amounts spent on the construction, purchases of Architectural and Engineering and Construction Management services are made through the Miscellaneous Professional Services sector using **Policy Variable 646**.

While the main changes in the region would accrue in Clark County, some impacts would also be felt in other counties of the state in which the construction takes place. These changes are input as monies spent by the construction workers for food and lodging during the construction period. Purchases of food are input through use of **Policy Variable 635**, sales in the Eating and Drinking sector. Expenditures for lodging are input through **Policy Variable 638**, sales in the Hotel sector. In addition, the costs for digging wells along the heavy haul routes must also be included in the county where they are dug. These purchases are also input as sales of Miscellaneous Professional Services, REMI **Policy Variable 646**.

The three heavy haul routes that traverse the Las Vegas area would all use the proposed Beltway. However, as currently planned, the proposed Beltway will not be completed by 2010, the year needed for completion if it is to be used for heavy haul transportation. The DOE analysis assumes that an external source would provide funding to Clark County to complete the section of the Beltway needed by the heavy haul trucks to at least 4 lanes each direction by 2010. The analysis also assumes that Clark County would repay those funds over a 30 year period starting in 2011). Those funds would be paid back at 3% real interest (i.e., the amount above the rate of inflation).

The Draft EIS for the potential repository (DOE 1999) used as a cost estimate data from a Clark County environmental study for the Las Vegas Beltway (Clark County 1997), as shown in the *Cost Estimate* (CRWMS M&O 1998). The *Cost Estimate* (CRWMS M&O 1998) states that Clark County expects to spend approximately \$40 million to complete the Northern Beltway (from the intersection of the Beltway and I-15 north of Las Vegas west to U.S. 95), and \$90 million to complete the Western Beltway (from the intersection of the Beltway and I-15 south of Las Vegas west and north to U.S. 95). A more recent report prepared by The Louis Berger Group, Inc. for the City of North Las Vegas estimates that the cost to complete the 13-mile Northern Beltway would be approximately \$425 million dollars, based on costs of \$25 million per mile and construction costs of \$50 million for each major interchange (The Louis Berger Group, Inc. 2000, p. 29). For the Northern Beltway, there are 2 major interchanges: at the juncture of Interstate 15 and at the juncture of U.S. Highway 95. Using these data, it is estimated the 27-mile Western Beltway, with only the single major interchange at U.S. Highway 95, would cost \$725 million to complete. Two REMI runs for each route using the Beltway will be made. One run will use the Clark County *Environmental Study*-developed construction costs (\$40 million and \$90 million for the Northern and Western Beltway sections, respectively). A second run will use the estimated construction costs of \$425 million for the Northern Beltway (The Louis Berger Group 2000, p. 29) and \$725 million for the Western Beltway, based on data provided in a report prepared for the City of North Las Vegas (The Louis Berger Group 2000, p. 29). It is thought these runs should bound the potential impacts of early construction of the Beltway. No credit is taken for the costs that Clark County would incur should they complete the Beltway without funding from an external source.

DOE would expect to use the Northern Beltway for the Caliente Las Vegas Route and for the Apex/Dry Lake Route. The Western Beltway would be used for the Sloan/Jean Route. The

construction period for completing each of these heavy haul routes is 4 years. Thus, for the routes that plan to use the Northern Beltway, the New Roads translator Policy Variable (T37) would be increased over the Heavy Haul Cost Estimate by either \$10 million or \$106.25 million for each year from 2006-2009. For the Sloan/Jean Route, which would use the Western Beltway, the New Roads translator Policy Variable (T37) would be increased by \$22.5 million or \$181.25 million for each year from 2006-2009.

For the Northern Beltway, based on data from the Clark County *Environmental Study*, the total funding for early completion would be \$40 million and the accrued principal and interest at the end of 2010 would be \$44,384,099. Repayment is assumed to occur over the 30-year period of 2011 to 2040. During this repayment period, the interest rate is assumed a real 3%, as discussed in *REMI Input Documentation Report Number 1, Rev. 01*. The repayment schedule would be at the rate of \$2,198,489 per year, for a total repayment of \$65,954,675. This repayment would be considered essentially a reduction in disposable income and is introduced into the REMI model as an increase in personal taxes in Clark County. **Policy Variable 954** is used for this function.

For the Northern Beltway, based on data from The Louis Berger Group report, the total funding for early completion would be \$425 million and the accrued principal and interest at the end of 2010 would be \$471,581,050. Repayment is assumed to occur over the 30-year period of 2011 to 2040. During this repayment period, the interest rate is assumed a real 3%, as discussed in *REMI Input Documentation Report Number 1, Rev. 01*. The repayment schedule would be at the rate of \$23,358,947 per year, for a total repayment of \$700,768,424. This repayment would be considered essentially a reduction in disposable income and is introduced into the REMI model as an increase in personal taxes in Clark County. **Policy Variable 954** is used for this function.

Based on data from the Clark County EIS for the Western Beltway, the total funding for early completion would be \$90 million. The accrued principal and interest at the end of 2010 would be \$99,864,222. Repayment is assumed to occur from 2011 to 2040. During this repayment period, the interest rate is assumed a real 3%, as discussed in *REMI Input Documentation Report Number 1, Rev. 01*. The repayment schedule would be at the rate of \$4,946,601 per year, for a total repayment of \$148,398,019. This repayment would be considered essentially a reduction in disposable income and is introduced into the REMI model as an increase in personal taxes in Clark County. **Policy Variable 954** is again used for this function.

For the Western Beltway, based on costs using the same unit costs as discussed in The Louis Berger Group report, the total funding for early completion would be \$725 million and the accrued principal and interest at the end of 2010 would be \$804,461,792. Repayment is assumed to occur from 2011 to 2040. During this repayment period, the interest rate is assumed a real 3%, as discussed in *REMI Input Documentation Report Number 1, Rev. 01*. The repayment schedule would be at the rate of \$39,847,616 per year, for a total repayment of \$1,195,428,488. This repayment would be considered essentially a reduction in disposable income and is introduced into the REMI model as an increase in personal taxes in Clark County. **Policy Variable 954** is again used for this function.

Principal and interest accrual and repayment schedules assume monies are deposited on the first day of the year and interest accrues throughout.



Table 1 shows the REMI policy variables used as inputs for the heavy haul construction and maintenance simulations. Input values are developed for each route in *REMI Input Documentation Reports Number 4.1 through Number 4.5*.

Table 1. Summary of REMI Policy Variables Used for Construction and Maintenance of Heavy Haul Truck Routes

Policy Variable Number	Purpose	REMI Sector	Type Variable	Input and Output Units
646	Account for A&E and construction management spending; also for purchases of services to drill wells.	Miscellaneous Professional Services	Industry Output	Millions of 1992 dollars
T37	Account for construction and maintenance of roads	Various, according to REMI's definition of its New Roads policy variable	New Roads Translator; Industry Output	Millions of 1992 dollars
635	Account for spending by construction workers away from county of residence	Eating and Drinking	Industry Output	Millions of 1992 dollars
638	Account for spending by construction workers away from county of residence	Hotel	Industry Output	Millions of 1992 dollars
954	Increase in personal taxes to repay funds for early completion	Personal taxes.	Disposable personal income.	Millions of 1992 dollars

### 3. REFERENCES

Clark County 1997. *County of Clark, Nevada: Environmental Study for the Northern & Western Las Vegas Beltway Transportation Facilities and Right-of-Way Footprint*. Las Vegas, Nevada: Clark County Department of Public Works. TIC: 244001.

CRWMS M&O (Civilian Radioactive Waste Management System Management and Operating Contractor) 1998. *Cost Estimate for the Heavy Haul Truck Transport Design*. May. Las Vegas, Nevada. ACC: MOL.19981120.0219

DOE (U.S. Department of Energy) 1999. *Draft Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada*. DOE/EIS-0250D. Summary, Volumes I and II. Washington, D.C.: U.S. Department of Energy, Office of Civilian Radioactive Waste Management. ACC: MOL.19990816.0240.

The Louis Berger Group, Inc. 2000. *Assessment of the Hazards of Transporting Spent Nuclear Fuel and High Level Radioactive Waste to the Proposed Yucca Mountain Repository using the Proposed Northern Las Vegas Beltway*. Las Vegas, Nevada: The Louis Berger Group, Inc. TIC: 250165.

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Other REMI Input Documentation Reports cited in this report are:

*REMI Input Documentation Report Number 1, Rev. 01: Major Assumptions And General Methodology For The Socioeconomic Impact Assessment Of The Yucca Mountain Repository Using The REMI Model.*

## REMI INPUT DOCUMENTATION REPORT NUMBER 5, Rev. 01 HEAVY HAUL TRANSPORTATION OPTIONS: OPERATIONS

### 1. SCOPE

This *REMI Input Documentation Report Number 5, Rev. 01*, identifies the REMI policy variables used as inputs for the analysis of impacts caused by heavy haul trucking operations on heavy haul transportation routes to the proposed repository at Yucca Mountain.

### 2. DESCRIPTION OF POTENTIAL HEAVY HAUL ROUTES

As discussed in *REMI Input Documentation Report Number 4, Rev. 01*, there are five potential heavy haul routes from existing railroads to the proposed repository. They start at one of three potential Intermodal Transfer Facilities (IMT) located in the vicinity of Caliente, Apex/Dry Lake to the north of Las Vegas, and Sloan/Jean to the south of Las Vegas. Associated with a Caliente IMT are three potential routes. These five routes are described in the Environmental Impact Statement, and briefly in *REMI Input Documentation Report Number 4, Rev. 01*. These routes, and their associated IMTs are:

#### Caliente IMT:

- Caliente Route
- Caliente Chalk Mountain Route
- Caliente Las Vegas Route

#### Apex/Dry Lake IMT:

- Apex/Dry Lake Route

#### Sloan or Jean IMT:

- Sloan/Jean Route

### 3. REMI POLICY VARIABLES FOR HEAVY HAUL OPERATIONS

Simulations for heavy haul trucking operations are based on increases in direct employment in the Trucking, Miscellaneous Professional Services, and State and Local Government sectors. Simulations for heavy haul trucking operations also include expenditures for inputs by the trucking operations, purchases of Miscellaneous Professional Services, increased wages for heavy haul truck drivers, and expenditures for lodging and meals for employees away from home when transporting shipment casks to and from the IMT and the proposed repository. Input values are developed for each route in *REMI Input Documentation Reports 5.1 through 5.4*. Those values will include appropriate contingency factors identified in the *Cost Estimate* (CRWMS M&O 1998).

It should be noted that capital investment is minimized in these runs. Facilities to maintain vehicles are included in cost estimates for the IMTs. Impacts caused by the purchases of heavy haul tractors and trailers are assumed to be outside the state of Nevada, as these are not Nevada-produced products.

### 3.1. Numbers of heavy haul truck drivers

There are assumed to be 3 truck drivers per heavy haul tractor, as identified in the *Cost Estimate*. The specification of employment to be entered into the REMI model, augmented by the contingency factor, is discussed in the following. The residential patterns for these heavy haul truck drivers are discussed in *REMI Input Documentation Reports 5.1* through *5.4*.

When the REMI Model is stimulated by an increase in employment through an ordinary employment policy variable, the model assumes other increases such as increases in investments and purchases of services that normally accompany such employment increases. However, because the *Cost Estimate* identifies and quantifies the estimated costs of these services and other expenses, it is advantageous that these costs and expenses (demands for products and services) also be specifically identified in the simulation. To avoid double counting of these intermediate costs, employment policy variables that nullify intermediate inputs induced by employment are introduced simultaneously. Thus, **Policy Variable 25** is used to specify Trucking Sector employment (number of drivers) and **Policy Variable 1675** is used in conjunction with Policy Variable 25 to nullify intermediate inputs induced by trucking employment. The increase in demand for inputs to the Trucking sector is discussed in 3.2.1. Accounting for the increase in wages for heavy haul trucking (as defined in the *Cost Estimate*) over the regions' existing Trucking sector wage is discussed in 3.3.1.

### 3.2. Changes in demand for services and products used by the heavy haul trucking operations

When used in conjunction with either employment Policy Variable 25, changes in intermediate demand of products and services for trucking operations are specified as follows:

- 3.2.1. **Policy Variable 741** is used to introduce intermediate demand expenses for (Automobile) repair and services. These expenses identified in the *Cost Estimate* for tires, brakes, and parts.
- 3.2.2. **Policy Variable 732** is used to introduce intermediate demand expenses for insurance.
- 3.2.3. **Policy Variable 719** is used to introduce intermediate demand expenses for petroleum products (fuel).

### 3.3. Higher wages for heavy haul truck drivers.

Wages for heavy haul truck drivers (*Cost Estimate*) exceed Trucking sector wages in the Nevada counties/regions described in the REMI model. The simulations for heavy haul trucking operations account for these higher wages through an infusion of the difference between the truckers' wages as provided in the *Cost Estimate* and the Trucking sector wages in the county or counties shown in the REMI's control forecast. Because REMI will add additional dollars on top of the bare wage to account for fringe benefits, the analysis must reduce the total (loaded) wages of the *Cost Estimate* by an appropriate amount. Consistent with the data provided in The YMP Transportation Study 2 staffing estimates, fringe benefits are assumed to be 45% of total (loaded) wages and *Cost Estimate* wages are therefore reduced by 1/1.45.

Specification of these higher wages into the simulation are through either **Policy Variable 1312**, “Residential Adjustment,” or **Policy Variable 2325**, “Wage Bill for Trucking.”

### **3.4. Employment of private escorts and security personnel and specification of purchase of Miscellaneous Business Services**

Private escorts accompany each truck. The *Cost Estimate* assumes two escorts per heavy haul truck plus a contingency. These personnel perform technical duties associated with the shipment, including radiation safety monitoring. The residential patterns for these escorts is assumed the same as the heavy haul truck drivers and these patterns are discussed in *REMI Input Documentation Reports 5.1* through *5.4*.

For all of the heavy haul routes with one endpoint at a Caliente IMT, the heavy haul operation is assumed to be a four day trip, two days each way. For these routes, an overnight stop is assumed at a location at approximately the midpoint between the IMT and the proposed repository. At this overnight stop, the heavy haul trucks will be placed into an enclosed area and will be guarded by security personnel, of whom there are 22 in all instances where there is an overnight stop. Security personnel are assumed to live in the same county where the overnight stop is located.

Paragraphs 3.4.1 and 3.4.2 discuss alternative methods of specifying employment and purchases for the Miscellaneous Professional Services sector.

Employment of private escorts and security personnel is entered into the simulation as **Policy Variable 46**, Miscellaneous Professional Services Employment. Because the final costs (sales) of these sectors are also known, these outputs are also specified in the simulation. As discussed above, increasing employment in the model also stimulates output changes. Because specifying output in the simulation would also increase direct employment there is a potential for double counting. Thus, special policy variables are chosen that avoid this problem when linked with the employment policy variables. For miscellaneous professional services, **Policy Variable 2296**, “Output (for Miscellaneous Professional Services) Without Employment” is used in conjunction with Policy Variable 46, Miscellaneous Professional Services employment.

Because Policy Variable 46 also generates other increases such as increases in investments and purchases of services that normally accompany such employment increases, the inputs must be modified to avoid double counting. This is accomplished by making an extra run of the REMI model. This run changed only a single policy variable, Policy Variable 46, Miscellaneous Professional Services employment and was made only to obtain the output for “Exogenous Production” for each county. This output variable is the REMI-calculated figure for the input to the model in terms of production changes that are equivalent to the exogenous employment changes that were actually used for the run. Once the exogenous production figures are obtained, they are used to reduce the size of the input changes for Policy Variable 2296. Alternatively, **Policy Variable 1696** is used to nullify inputs induced by use of Policy Variable 46, and values for Policy Variable 2296 are used without modification. In this case, the wages are set through use of **Policy Variable 796**, Wage Bill for Miscellaneous Services (in Employee Equivalents).

### 3.5. Employment of Nevada Highway Patrol escorts

The Nevada Highway Patrol are assumed to accompany heavy haul trucks on public highways. There will be two Highway Patrol accompanying each truck (no contingency is provided for Highway Patrol). These additional employees are input to the simulation as an increase in employment in the State and Local Government sector. **Policy Variable 50**, “State And Local Government Employment,” is used for this purpose.

### 3.6. Eating and drinking

It is assumed that heavy haul round trips between the potential IMT at Caliente and the proposed repository at Yucca Mountain would take four days, two days each way. This would necessitate expenditures for food and lodging for three days per week per person. Employees spending this money would be truck drivers and private escorts. Nevada Highway Patrol are assumed to work only in their county of residence and are assumed to not have food and lodging expenses attributable to the heavy haul operations. Similarly, private security are assumed to reside in the county of the overnight stopping point and are also assumed to not have food and lodging expenses attributable to the heavy haul operations.

Purchases of food are input through use of **Policy Variable 635**, sales in the Eating and Drinking sector. Expenditures for lodging are input through **Policy Variable 638**, sales in the Hotel sector.

Round trips between the proposed repository and the IMTs located in the Las Vegas vicinity (Apex/Dry Lake and Sloan/Jean) are assumed to take place in a single day. Thus, there is not an overnight stop and there are no food and lodging expenses for heavy haul routes originating at either of these IMTs.

### 3.7. Permits and Fees

The *Cost Estimate* approximates the amount collected by the State of Nevada from the heavy haul operations as permit and fee expenditures. It is assumed that these monies will be used to fund processing of permits and transportation-related oversight of the heavy haul trucking operations. These monies are input into the simulation as an increase through **Policy Variable 179**, State and Local Government Spending. This activity is largely assumed to take place through activities at the state capital in Carson City. The change in this policy variable for all heavy haul operations simulations is made for the Rest of Nevada region.

The following policy variables in Table 1 are used as inputs for the heavy haul operations simulations. Input values are developed for each route in *REMI Input Documentation Reports 5.1* through *5.4*.

**Table 1. Policy Variables Used for Heavy Haul Operations Between Potential IMTs and the Proposed Repository at Yucca Mountain**

<b>Policy Variable Number</b>	<b>Purpose</b>	<b>REMI Sector</b>	<b>Type Variable</b>	<b>Input and Output Units</b>
25	Account for increase in Trucking Employment	Trucking	Employment	Thousands of jobs
1675	Nullify Output Induced by Trucking Employment	Trucking	Employment	Thousands of jobs
1312	Add higher wages in Trucking sector	Disposable Income: Trucking	Output	Millions of 1992 dollars
2325	Add higher wages in Trucking sector	Wage Bill Trucking	Wages	Millions of 1992 dollars
46	Account for increase in Employment for Private Escorts and Security Personnel	Miscellaneous Professional Services	Employment	Thousands of jobs
1696	Nullify Output Induced by Miscellaneous Professional Services Employment	Miscellaneous Professional Services	Employment	Thousands of jobs
796	Set wage bill for Miscellaneous Professional Services	Miscellaneous Professional Services	Employment	Thousands of jobs
2296	Account for purchases of Miscellaneous Professional Services and avoid double counting	Miscellaneous Professional Services	Output	Millions of 1992 dollars
635	Account for spending by construction workers away from county of residence	Eating and Drinking	Output	Millions of 1992 dollars
638	Account for spending by construction workers away from county of residence	Hotel	Output	Millions of 1992 dollars
741	Account for purchases by transporter operations	Auto Repair and Services	Demand	Millions of 1992 dollars
732	Account for purchases by transporter operations	Insurance	Demand	Millions of 1992 dollars
719	Account for purchases by transporter operations	Petroleum Products	Demand	Millions of 1992 dollars
50	Account for increase in Nevada Highway Patrol	State and Local Government	Employment	Thousands of jobs
179	Account for amount paid by transporter operations for permits and fees	Government Spending	Output	Millions of 1992 dollars

#### 4. DISCUSSION ON USAGE OF DIFFERENT VARIABLES TO INTRODUCE HIGH TRUCK DRIVER WAGES INTO THE ANALYSIS

During preliminary simulations of the heavy haul operations, policy variables identified in Table 3 were used for all simulations. However, when these policy variables were used for the routes with a terminus at a Caliente IMT, the preliminary results showed that although heavy haul-related employment was increasing, the total growth of employment and population (indirect effects) in Lincoln County did not grow as would be expected. Instead, it appeared that population was instead growing in Clark County. While there is an expectation that there will be considerable leakage of indirect employment and population growth from a rural county such as Lincoln to the nearest large population center, these preliminary results exceeded what would be expected.

An examination of the effects of each of the input variables on the Lincoln and Clark County simulation outputs was made one at a time and the skewed effect was isolated to the impact of using Policy Variable 2325, Wage Bill for Trucking. It is seen that the trucking industry in Lincoln County is very small. The entirety of the employment in the Transportation and Public Utilities sector was only 61 in 1996. This is a stagnant or declining sector that has dropped approximately 30 percent since 1991 when there were 88 employed (BEA 1998).

Apparently, the simulated infusion of (much) higher wages into the Lincoln County economy through use of Policy Variable 2325 increased total wages in the small Trucking sector by a very large percentage and changed the relative wage rate. As a result of this induced higher relative wage rate, the output of the simulation showed that employment in most other sectors remained stagnant in Lincoln County, consistent with economic theory that higher factor costs will result in a decrease in demand. Population changes followed suit and increased only slightly in Lincoln County. Because the relative wage rate change made Clark County more attractive (than Lincoln County) for employers, employment increased in Clark County as a result of increased labor demand.

Policy variable 1312 was identified as a means of infusing the additional monies into the Lincoln County economy without upsetting the relative wage rate in a particular sector of the economy. Because it is only the infusion of the increased wages that matter in this instance (employment and other inputs into the trucking industry are separately specified), the use of a non sector-specific policy variable is acceptable for this simulation.

#### 5. REFERENCES

BEA (Bureau of Economic Analysis) 1998. "Table 25: Total Full- and Part-Time Employment by Industry for Lincoln County." Regional Economic Information System. Washington, D.C.: U.S. Department of Commerce.

CRWMS M&O (Civilian Radioactive Waste Management System Management and Operating Contractor) 1998. *Cost Estimate for the Heavy Haul Truck Transport Design*. May. Las Vegas, Nevada.

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Other REMI Input Documentation Reports cited in this report are:

*REMI Input Documentation Report Number 1, Rev. 01: Major Assumptions And General Methodology For The Socioeconomic Impact Assessment Of The Yucca Mountain Repository Using The REMI Model*

*REMI Input Documentation Report Number 4, Rev. 01: Heavy Haul Transportation Options: Construction and Maintenance*

**REMI INPUT DOCUMENTATION REPORT NUMBER 6, Rev. 01****GENERAL ASPECTS OF CONSTRUCTION AND OPERATIONS OF THE  
INTERMODAL TRANSFER (IMT) FACILITIES****1. DESCRIPTION OF ALTERNATIVE POTENTIAL IMT FACILITIES**

Three alternative potential intermodal transfer (IMT) facilities to handle the transfer of waste packages from existing rail lines to heavy-haul truck were considered in the socioeconomic impact assessment. The alternative IMT facilities are described in detail in the Environmental Impact Statement and briefly here. One alternative IMT facility would be located near Caliente in Lincoln County. It would serve the heavy-haul routes that originate in Caliente (Caliente, Caliente-Chalk Mountain, and Caliente-Las Vegas). The other two alternative facilities would be located in Clark County: one northeast of Las Vegas near Apex and Dry Lake, and one southwest of Las Vegas near Jean and Sloan. Naturally, the Apex/Dry Lake facility would handle transfers to the Apex/Dry Lake heavy-haul route and the Sloan/Jean facility would handle transfers to the Sloan/Jean heavy-haul route. Because at most one of the heavy-haul routes will be constructed, at most one of the IMT facilities will be required. If a railroad option is selected, no IMT facility will be required.

**2. IMT FACILITIES MODELED WITH REMI**

The cost estimate for IMT facility (CRWMS M&O 1997, CRWMS M&O 1998) does not distinguish the possible geographical locations of the facility. In other words, the estimate is identical wherever the facility is located. Because the Regional Economic Models, Inc. (REMI) model can not model geographical areas smaller than counties, and because auxiliary assumptions made for the Apex/Dry Lake facility apply as well to the Sloan/Jean facility, the two Clark County simulations would be identical. Therefore, it was only necessary to model one of them. It is convenient to refer to the generic Clark County IMT simulation as the Apex/Dry Lake IMT simulation. But bear in mind that the Apex/Dry Lake simulation substitutes for a simulation for the Sloan/Jean facility. A separate simulation covers the Caliente facility.

**3. REMI POLICY VARIABLES**

See *REMI Input Documentation Report Number 1, Rev. 01*, for major assumptions and general methods related to the construction and operation of all IMT facility options.

***REMI Policy Variables for IMT Facility Construction***

Inputs for simulating construction of the IMT facility are based on labor time, wage rate, and total construction costs as estimated in *Yucca Mountain Site Characterization Project Intermodal Transfer Facility Cost Estimate* (CRWMS M&O 1997) and presented in the *Cost Estimate for the Heavy Haul Truck Transport Design* (CRWMS M&O 1998). Construction and Architect-Engineering (A&E) workers are assumed residents of Clark County, and to be employed by firms based in Clark County. For the Caliente facility, construction workers (but not A&E workers) are assumed to commute weekly.

The *Intermodal Transfer Facility Cost Estimate* indicates that the relationships among the average wage, employment level, and total cost (or sales) will be different from the

relationships REMI assigns to the Construction sector. The REMI model has a feature that allows the user to ensure that the simulation is consistent with information the user might have about all three characteristics of a new activity. Before this feature became available, the user had to specify either employment or sales and be satisfied with the values the model supplied for the other parameter. If given sales, the model would automatically estimate employment based on labor productivity (sales per worker) in the sector being stimulated. Likewise, if given employment, the model would automatically estimate sales based on labor productivity. In either case, the model would apply the prevailing wage for the sector. This feature allows the user to specify separate policy variables for employment, sales, and wages.

Construction employment is entered into the model through use of **Policy Variable 23**. Construction costs are entered into the model as an increase in sales in the construction industry. To avoid double counting of employment with the construction employment policy variable, **Policy Variable 2273**, Output Without Employment, Investment and Wages, is used. In addition, because the Intermodal Transfer Facility is a stand-alone operation that will not generate additional business beyond its uses for the potential repository, it is necessary to eliminate any additional investments or outputs that might be part of a commercial operation. This also eliminates double counting of inputs due to trucking operations (see *REMI Input Documentation Report Number 5, Rev. 01*). Thus, **Policy Variables 1373, 1673, and 1623** are used to Nullify Investment, Nullify Intermediate Inputs, and Nullify Output Demand Growth Induced by Construction Employment, respectively. Because wage data is known, **Policy Variable 1523** is first used to Nullify Wages Induced by Construction Employment, and then wages are set through use of **Policy Variable 2323**, Wage Bill for Construction. These policy variables are identified in Table 1.

The economic stimulus related to the purchase of A&E services is introduced by an ordinary Miscellaneous Professional Services Sales (or output) policy variable, **Policy Variable 646**. See Table 1.

#### ***REMI Policy Variables for IMT Operations***

The economic stimuli to be accounted for during operations are the employment of operations personnel and the intermediate spending associated with running the facility. Estimates of the total operations cost and the number of employees required are presented in the *Cost Estimate for the Heavy Haul Truck Transport Design*. The kinds of work that will be performed in the IMT facility suggest REMI's Trucking sector (which includes warehousing) as an appropriate model. However, the relationship between the employment level and total cost (or sales) is different from the labor productivity REMI assigns to the Trucking sector. Again, one way to ensure effective use of the available information is to use the REMI feature that allows the user to separately specify the number of jobs and the sales generated by a new activity (as explained in Section 0). The policy variables used were Trucking Employment (**Policy Variable 25**) and Trucking Output without Employment, Investment, and Wages (**Policy Variable 2275**). As discussed in Section 3.1, to avoid double counting and because of the non-commercial aspects of the Intermodal Transfer Facility, certain aspects of trucking sector employment in the REMI model have to be nullified. Thus, **Policy Variables 1375, 1675, and 1625** are used to Nullify Investment, Nullify Intermediate Inputs, and Nullify Output Demand Growth Induced by Trucking Employment, respectively. See Table 1.

**Table 1. Policy Variables for Simulations of IMT Facility Construction and Operations**

<b>Policy Variable Number</b>	<b>Stimulus Accounted For</b>	<b>REMI Sector</b>	<b>Variable Type</b>	<b>Units</b>
23	Jobs related to IMT construction	Construction	Employment (amount)	Thousands of jobs
2273	Sales and intermediate spending by construction contractor	Construction	Output without employment, investment & wages (amount)	Millions of 1992 dollars
1373	Investment related to IMT construction	Construction	Nullify investment induced by construction employment	Thousands of jobs
1673	Intermediate inputs related to IMT construction	Construction	Nullify intermediate inputs induced by construction employment	Thousands of jobs
1623	Output demand growth related to IMT construction	Construction	Nullify output demand growth induced by construction employment	Thousands of jobs
1523	Wage rate related to IMT construction	Construction	Nullify wage rate induced by construction employment	Thousands of jobs
2323	Wages paid to construction workers	Construction	Wage bill (amount)	Millions of 1992 dollars
646	Jobs, wages, and intermediate spending related to A&E services	Misc. Prof. Services	Sales (amount)	Millions of 1992 dollars
635	(for Caliente IMT only) Restaurant Spending by IMT construction workers in Lincoln county	Eating & Drinking	Sales (amount)	Millions of 1992 dollars
638	(for Caliente IMT only) Hotel Spending by IMT construction workers in Lincoln county	Hotels	Sales (amount)	Millions of 1992 dollars
25	Employment of operations workers	Trucking	Employment without output, investment, & wages (amount)	Thousands of jobs
2275	Sales and intermediate spending by IMT operating contractor	Trucking	Output without employment, investment & wages (amount)	Millions of 1992 dollars
1375	Investment related to IMT operations	Trucking	Nullify investment induced by trucking sector employment	Thousands of jobs
1675	Intermediate inputs related to IMT operations	Trucking	Nullify intermediate inputs induced by trucking sector employment	Thousands of jobs
1625	Output demand growth related to IMT operations	Trucking	Nullify intermediate inputs induced by trucking sector employment	Thousands of jobs

## 5. REFERENCES

CRWMS M&O (Civilian Radioactive Waste Management System Management and Operating Contractor) 1997. *Yucca Mountain Site Characterization Project Intermodal Transfer Facility Cost Estimate*. Las Vegas, Nevada.

CRWMS M&O 1998. *Cost Estimate for the Heavy Haul Truck Transport Design*. May 6. Las Vegas, Nevada.

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Other REMI Input Documentation Reports cited in this report are:

*Input Documentation Report Number 1, Rev. 01: Major Assumptions and General Methodology for the Socioeconomic Impact Assessment of the Yucca Mountain Repository Using the REMI Model.*

*REMI Input Documentation Report Number 5, Rev. 01: Heavy Haul Transportation Options: Operations.*

## **Appendix E**

### **Rail Corridor REMI Input Data General to All Corridors**

General Aspects of Construction and Operations of the Railroad Transportation Routes

**REMI INPUT DOCUMENTATION REPORT NUMBER 7, Rev. 01****GENERAL ASPECTS OF CONSTRUCTION AND OPERATIONS OF THE  
RAILROAD TRANSPORTATION ROUTES****1. DESCRIPTION OF POTENTIAL RAILROAD ROUTES**

Five potential railroad routes from existing rail lines to the proposed repository were considered in the socioeconomic impact assessment. The five routes are described in detail in the Environmental Impact Statement and briefly below. Two routes originate from Caliente in Lincoln County: (1) the Caliente route strikes out west from Caliente to Tonopah, heads south along US Highway 95 past Beatty, where it curves east to Yucca Mountain, entering the Nevada Test Site near Lathrop Wells; (2) the Caliente-Chalk Mountain route diverges from the Caliente route near the Nye County border with Lincoln County and bears south through the Nellis Air Force Range and the Nevada Test Site. (3) The Carlin route originates from north central Nevada near Carlin in Elko County and heads south through Big Smoky Valley or Monitor Valley to Tonopah, beyond which the route is identical to the Caliente route. (4) The Valley Modified route originates northeast of Las Vegas near where US Highway 93 diverges from Interstate 15 and heads northwest along US Highway 95, entering the Nevada Test Site near Mercury. (5) The Jean route originates south of Las Vegas near Jean and Sandy Valley. It heads northwest past Pahrump and enters the Nevada Test Site near Lathrop Wells.

**2. SCALING RAIL OPERATIONS FROM 84 TO 260 TRAINS PER YEAR**

Costs of railroad operations were estimated in the *Nevada Potential Repository Preliminary Transportation Study 2* based on 84 train round trips per year (CRWMS M&O 1995). The Environmental Impact Statement is based on 260 trips per year. To approximate equivalent operations that would accommodate the greater trip frequency, it was necessary to scale up the wage bills and employment levels that were taken from the 1995 *Transportation Study*. The scaling is linear (by a factor of  $260/84 = 3.10$ ) for those jobs for which the number of jobs is judged to depend on the train frequency (Table 1).

**3. REMI POLICY VARIABLES**

See *REMI Input Documentation Report Number 1, Rev. 01*, for major assumptions and general methods related to the construction and operation of all railroad route options.

**3.1 REMI Policy Variables for Railroad Construction**

Simulations for construction of the railroad are based primarily on employment of construction workers as estimated in the *Nevada Transportation Study Construction Cost Estimate* (CRWMS M&O 1998). In keeping with the *Cost Estimate*, several construction camps along the route under construction are assumed. For the simulation, workers are nominally assigned to construction camps. Workers are assumed to be weekly commuters from Clark County, and to be employed by firms based in Clark County. The Construction Employment policy variable provides the primary stimulus to the model (Table 2). The REMI model applies built-in relationships to estimate the corresponding spending by construction firms on intermediate goods and services and an income stream to the workers in proportion to the specified employment. Assumed spending by workers for restaurant



meals provides an additional stimulus (via the Eating and Drinking Places Sales policy variable) to the county or REMI area where the camps are located. Subcontracts for drilling of water wells for construction use, which the *Cost Estimate* did not include in the labor time estimate, were accounted for in REMI areas in proportion to the number of camps in each area. This was done to conform with the reasonable expectation that suitable local subcontractors could be found to perform the work. A minor additional opportunity for local subcontractors, construction of the trailer camps, provided an additional local economic stimulus. Both categories called for Sales (output) policy variables: Miscellaneous Professional Services for water well drilling and Construction for the trailer courts (Table 2).

### 3.2 REMI Policy Variables for Railroad Operations

The primary economic stimuli to be accounted for during operations are the employment of operations personnel, the intermediate spending associated with running the railroad, and higher wages for operations personnel.

The railroad sector is very small in both Lincoln and Nye Counties, the REMI control forecast showing only 3 and 4 persons employed in this sector in each county, respectively. Preliminary runs using RR employment and adjusting for the wages indicated a population growth in Lincoln County that was too small relative to the employment growth. It appeared that population was “leaking” to Clark County in response to the increase in the relative wage rate in Lincoln County. As a result, it was decided that using the Miscellaneous Professional Services sector as a proxy for Railroad Sector employment and output would better fit Lincoln County. Because the railroad is assumed to not be generating additional business outside the immediate task of operations in support of the potential repository, the operations is not unlike a service industry. Output costs spent in Nevada will be accounted for, but additional capital costs outside construction, such as for specialized rail equipment, are assumed spent outside Nevada.

Estimates of employment and the information on wages are available, scaled up from *Nevada Potential Repository Preliminary Transportation Study 2* as shown in Table 1. The *Transportation Study* indicates that the average wage for railroad operations will be different from the average wage REMI would assign to railroad employees (using the Miscellaneous Professional Services sector) if an ordinary employment policy variable were used. The REMI model allows the user to separately specify the number of jobs, the wage bill (or increase in wages), and the sales generated by a new activity. Before this feature became available, the user had to specify either employment or sales and be satisfied with the values the model supplied for the other parameter. If given sales, the model would automatically estimate employment based on labor productivity (sales per worker) in the sector being stimulated. Likewise, if given employment, the model would automatically estimate sales based on labor productivity. In either case, the model would apply the prevailing wage for the sector. The REMI feature discussed here allows the user to specify separate policy variables for employment, sales, and wages.

The policy variables used were

- Employment (Miscellaneous Professional Services sector), **Policy Variable 46**
- Railroad Output without Employment, Investment, and Wages (use Miscellaneous Professional Services sector), **Policy Variable 2296**, and



- Railroad Wage Bill (use Miscellaneous Professional Services sector), **Policy Variable 2346** (or, for options which use the Caliente IMT, use **Policy Variable 1312**, Residential Adjustment, to avoid disturbing the relative wage rate and causing population to “leak” to Clark County).

The *Transportation Study* produced operation costs for 84 trips per year, but these are not easily scalable to 260 trips per year. Therefore, the policy variable for Railroad Output without Employment, etc. was computed as the product of REMI’s estimate of labor productivity (sales per worker) in the Miscellaneous Professional Services sector (serving as a proxy for the Railroad sector) and the number of workers.

Another stimulus from railroad operations results from the purchase of food and lodging by members of the train crew when they are away from home. Spending for food and lodging is handled by Sales (output) policy variables in the Hotels and Eating & Drinking Places sectors (Table 2).

#### 4. REFERENCES

CRWMS M&O (Civilian Radioactive Waste Management System Management and Operating Contractor) 1995. *Nevada Potential Repository Preliminary Transportation Study* 2. September. Las Vegas, Nevada.

CRWMS M&O 1998. *Nevada Transportation Study Construction Cost Estimate*. March. Las Vegas, Nevada.

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Other REMI Input Documentation Reports cited in this report are:

*REMI Input Documentation Report Number 1, Rev. 01: Major Assumptions and General Methodology for the Socioeconomic Impact Assessment of the Yucca Mountain Repository Using the REMI Model.*

**Table 1. Worksheet for Scaling Wages and Employment Levels Up to 260 Trains per Year**

Job Title	Ride the Train? (1=Yes)	Does Number of Jobs Vary with Freq.? (1=Yes)	Number of Train Operation Jobs <sup>a</sup>				Base Salary without Fringe Benefits (1995\$)	Wages @ 260 Trains/yr. (1995\$)		Number of Train-Riding Workers (@ 260 Trains/yr.)	
			For Caliente and Carlin Routes at Annual Frequency:		For Valley and Jean Routes at Annual Frequency:			Caliente & Carlin	Valley & Jean	Caliente & Carlin	Valley & Jean
			84	260	84	260					
General											
General Manager	0	0	1	1	1	1	72,000	72,000	72,000	0	0
Chief Clerk	0	0	1	1	1	1	36,000	36,000	36,000	0	0
Secretary	0	0	1	1	1	1	20,000	20,000	20,000	0	0
Operating										0	0
Operations Manager	0	0	1	1	1	1	64,000	64,000	64,000	0	0
Trainmaster	0	0	1	1	1	1	56,000	56,000	56,000	0	0
Crewman	1	1	5	15.48	3	9.29	47,000	727,381	436,429	15.48	9.29
Mechanical										0	0
Foreman	0	1	1	3.10	1	3.10	48,000	148,571	148,571	0	0
Assistant	0	1	1	3.10	1	3.10	36,000	111,429	111,429	0	0
Maintenance of Way										0	0
Roadmaster	0	0	1	1	1	1	56,000	56,000	56,000	0	0
Foreman	0	0	1	1	1	1	40,000	40,000	40,000	0	0
Laborer	0	0	4	4	2	2	28,000	112,000	56,000	0	0
Security <sup>b</sup>											
Chief Special Agent	1	1	0.5	1.55	0.5	1.55	56,000	86,667	86,667	1.55	1.55
Special Agent	1	1	1	3.10	1	3.10	40,000	123,810	123,810	3.10	3.10
Sum			19.5	37.31	15.5	29.12		1,653,857	1,306,905	20	14
Average								44,328	44,881		

<sup>a</sup>According to a Lotus 123 workbook (developed by J. Ingram and W. Keeney), which was e-mailed to Guy Ragan by Phil Gehner on 01/04/99, the Nevada Potential Repository Preliminary Transportation Study 2, September 1995, assumes 84 trains per year. Numbers of jobs are from the same workbook and a fax from Robert Long to John Bland on 04/03/98.

<sup>b</sup>Security is 50% dedicated to the rail operation; therefore, numbers of jobs are reduced by 50%.

**Table 2. Policy Variables for Simulations of Railroad Construction and Operations**

<b>Policy Variable Number</b>	<b>Stimulus Accounted For</b>	<b>REMI Sector</b>	<b>Variable Type</b>	<b>Units</b>
23	Jobs, wages, and intermediate spending related to RR construction.	Construction	Employment (number)	Thousands of jobs
646	Jobs, wages, and intermediate spending related to well drilling.	Misc. Prof. Services	Sales (amount)	1992\$
623	Jobs, wages, and intermediate spending related to trailer court construction.	Construction	Sales (amount)	1992\$
635	Restaurant Spending by RR construction workers outside of county of residence.	Eating & Drinking	Sales (amount)	1992\$
635	Restaurant Spending by RR operations workers outside of county of residence.	Eating & Drinking	Sales (amount)	1992\$
638	Hotel Spending by RR operations workers outside of county of residence.	Hotels	Sales (amount)	1992\$
46	Employment of operations workers	Miscellaneous Professional Services	Employment (amount)	Thousands of jobs
2296	Sales and intermediate spending by railroad operating contractor.	Miscellaneous Professional Services	Output without employment, investment & wages (amount)	1992\$
2346	Wages paid to operations workers.	Miscellaneous Professional Services	Wage bill (amount)	1992\$
1312	Wages paid to operations workers.	Commuters	Wage bill (amount)	1992\$